

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
 Data File : BF091245.D
 Acq On : 18 Nov 2016 20:51
 Operator : UM/SJ
 Sample : H5700-04MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

Quant Time: Nov 18 22:02:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	512899	20.00	ng	0.10
21) Naphthalene-d8	7.89	136	655359	20.00	ng	-0.06
38) Acenaphthene-d10	9.65	164	351254	20.00	ng	-0.05
63) Phenanthrene-d10	11.13	188	573306	20.00	ng	-0.05
75) Chrysene-d12	13.76	240	416387	20.00	ng	-0.06
86) Perylene-d12	15.13	264	343807	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1185393	38.17	ng	-0.03
7) Phenol-d6	6.27	99	1425255	33.81	ng	-0.05
23) Nitrobenzene-d5	7.18	82	825085	68.68	ng	-0.06
41) 2,4,6-Tribromophenol	10.44	330	436441	137.44	ng	-0.05
44) 2-Fluorobiphenyl	8.98	172	1556086	76.27	ng	-0.06
78) Terphenyl-d14	12.72	244	1684430	100.95	ng	-0.05

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.12	88	147548	8.31	ng	97
3) Pyridine	2.76	79	415590	10.00	ng	95
4) n-Nitrosodimethylamine	2.72	42	194125	11.81	ng	88
6) Aniline	6.36	93	400292	8.05	ng	# 44
8) 2-Chlorophenol	6.40	128	408398	11.02	ng	88
11) bis(2-Chloroethyl)ether	6.36	93	400292	10.18	ng	# 80
12) 1,3-Dichlorobenzene	6.62	146	443608	11.84	ng	99
13) 1,4-Dichlorobenzene	6.78	146	392522	9.76	ng	97
14) 1,2-Dichlorobenzene	6.78	146	392522	10.64	ng	# 93
15) Benzyl Alcohol	6.90	79	192862	6.49	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	6.90	45	372706	6.62	ng	# 15
17) 2-Methylphenol	6.90	107	319963	10.91	ng	97
18) Hexachloroethane	7.12	117	150292	9.66	ng	99
19) n-Nitroso-di-n-propylamine	7.18	70	111790	3.83	ng	# 75
20) 3+4-Methylphenols	7.06	107	424105	12.04	ng	94
22) Acetophenone	7.04	105	552089	36.59	ng	# 90
24) Nitrobenzene	7.21	77	421381	31.76	ng	89
25) Isophorone	7.45	82	758114	32.75	ng	95
26) 2-Nitrophenol	7.53	139	216850	38.62	ng	# 62
27) 2,4-Dimethylphenol	7.57	122	345733	37.23	ng	97
28) bis(2-Chloroethoxy)methane	7.66	93	487240	38.53	ng	100
29) 2,4-Dichlorophenol	7.78	162	319133	39.38	ng	90
30) 1,2,4-Trichlorobenzene	7.85	180	374244	41.07	ng	98
31) Naphthalene	7.92	128	1101048	35.13	ng	99
32) Benzoic acid	7.71	122	46996	10.88	ng	# 86
33) 4-Chloroaniline	7.98	127	302794	23.23	ng	99
34) Hexachlorobutadiene	8.04	225	216359	43.99	ng	99
35) Caprolactam	8.36	113	57417	22.55	ng	# 69
36) 4-Chloro-3-methylphenol	8.49	107	361230	36.82	ng	99
37) 2-Methylnaphthalene	8.61	142	760892	37.76	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	364003	40.65	ng	# 97
40) Hexachlorocyclopentadiene	8.76	237	192640	57.57	ng	98
42) 2,4,6-Trichlorophenol	8.90	196	228647	39.55	ng	99
43) 2,4,5-Trichlorophenol	8.96	196	237976	39.21	ng	# 91

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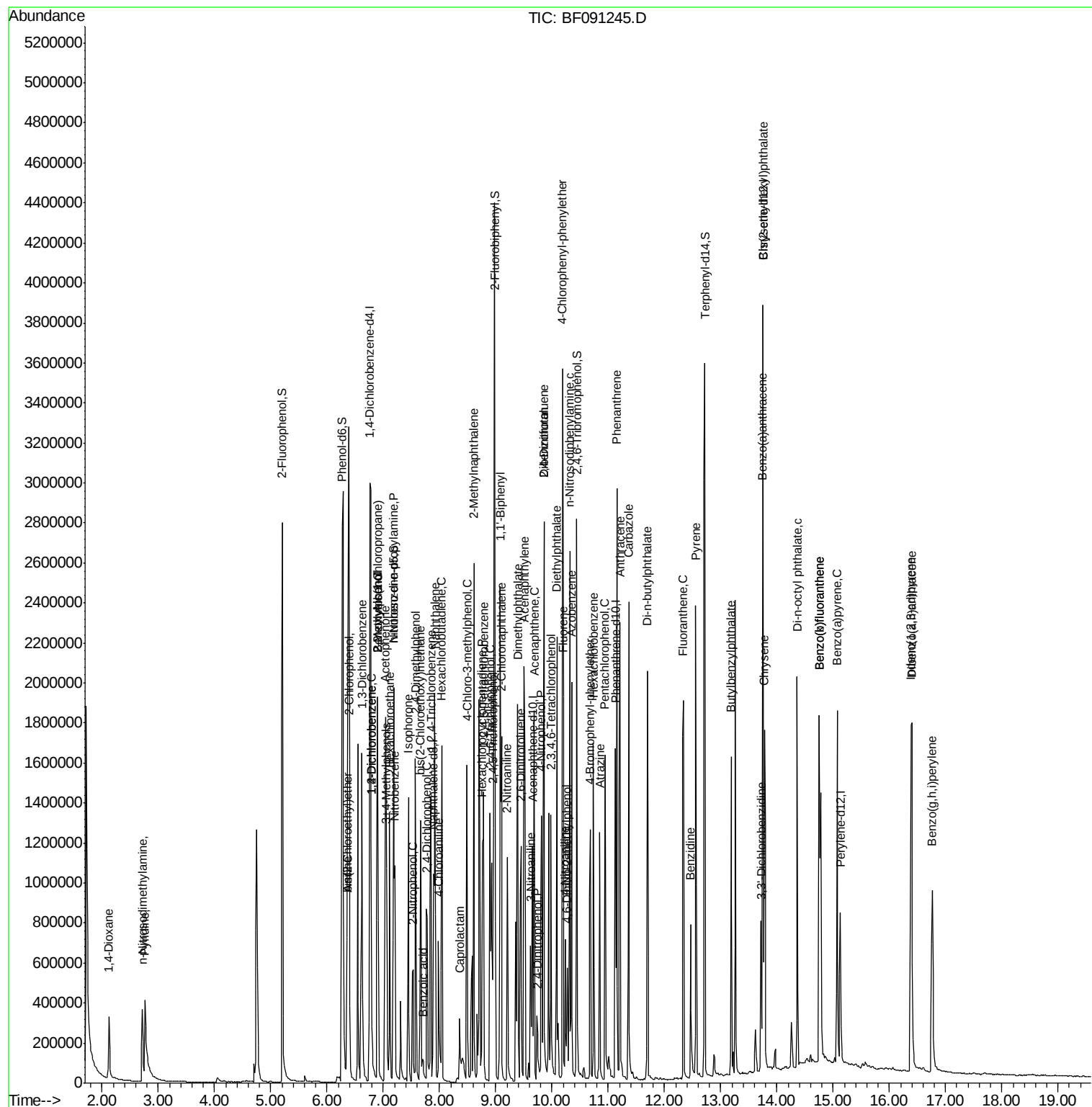
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	9.08	154	968955	37.78	ng	95
46) 2-Chloronaphthalene	9.10	162	752197	38.63	ng	93
47) 2-Nitroaniline	9.21	65	210933	29.19	ng	91
48) Acenaphthylene	9.50	152	1084973	35.75	ng	99
49) Dimethylphthalate	9.39	163	917273	39.82	ng	99
50) 2,6-Dinitrotoluene	9.45	165	181278	36.72	ng	# 84
51) Acenaphthene	9.69	154	662169	34.76	ng	99
52) 3-Nitroaniline	9.62	138	144681	24.72	ng	94
53) 2,4-Dinitrophenol	9.74	184	81349	34.15	ng	87
54) Dibenzofuran	9.86	168	987835	38.52	ng	# 89
55) 4-Nitrophenol	9.81	139	210250	55.80	ng	# 71
56) 2,4-Dinitrotoluene	9.86	165	247545	39.42	ng	93
57) Fluorene	10.20	166	775025	36.97	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.98	232	215186	45.25	ng	# 85
59) Diethylphthalate	10.09	149	854499	36.19	ng	99
60) 4-Chlorophenyl-phenylether	10.19	204	374878	39.29	ng	# 89
61) 4-Nitroaniline	10.24	138	162517	27.45	ng	96
62) Azobenzene	10.35	77	819839	29.49	ng	95
64) 4,6-Dinitro-2-methylphenol	10.27	198	100861	28.73	ng	95
65) n-Nitrosodiphenylamine	10.32	169	690385	37.89	ng	100
66) 4-Bromophenyl-phenylether	10.68	248	249598	41.86	ng	# 67
67) Hexachlorobenzene	10.74	284	255949	38.92	ng	94
68) Atrazine	10.85	200	227476	43.27	ng	97
69) Pentachlorophenol	10.94	266	237291	81.46	ng	99
70) Phenanthrene	11.15	178	1101312	36.14	ng	100
71) Anthracene	11.21	178	1196786	36.94	ng	98
72) Carbazole	11.37	167	1066346	36.52	ng	98
73) Di-n-butylphthalate	11.70	149	1170355	31.87	ng	99
74) Fluoranthene	12.34	202	1182248	37.40	ng	87
76) Benzidine	12.47	184	419648	45.11	ng	98
77) Pyrene	12.56	202	1060309	38.88	ng	99
79) Butylbenzylphthalate	13.19	149	487417	37.37	ng	95
80) Benzo(a)anthracene	13.75	228	853393	36.10	ng	99
81) 3,3'-Dichlorobenzidine	13.72	252	265493	31.96	ng	99
82) Chrysene	13.78	228	841136	36.08	ng	99
83) Bis(2-ethylhexyl)phthalate	13.76	149	650407	36.85	ng	# 95
84) Di-n-octyl phthalate	14.36	149	987014	34.01	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.39	276	841416	43.50	ng	97
87) Benzo(b)fluoranthene	14.75	252	1571908	67.41	ng	# 97
88) Benzo(k)fluoranthene	14.75	252	1571908	76.85	ng	99
89) Benzo(a)pyrene	15.07	252	747947	36.84	ng	98
90) Dibenzo(a,h)anthracene	16.40	278	710883	40.51	ng	97
91) Benzo(g,h,i)perylene	16.76	276	651792	41.07	ng	97

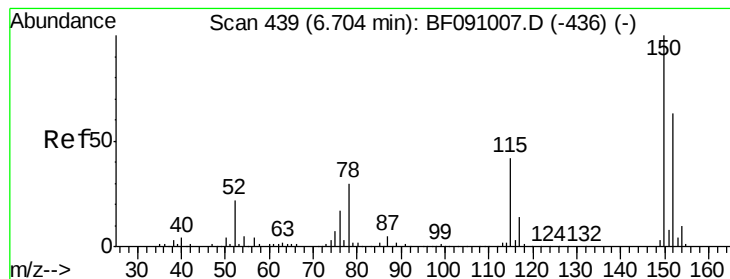
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 444

Delta R.T. 0.10 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

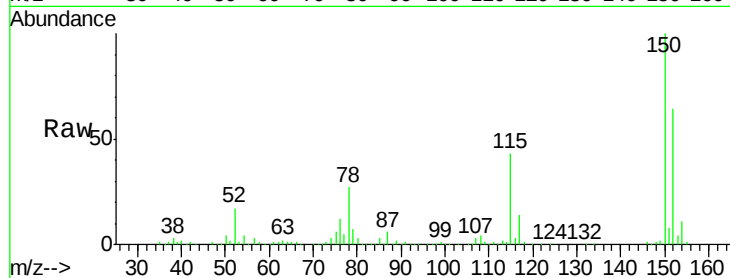
Tgt Ion:152 Resp: 512899

Ion Ratio Lower Upper

152 100

150 156.6 126.8 190.2

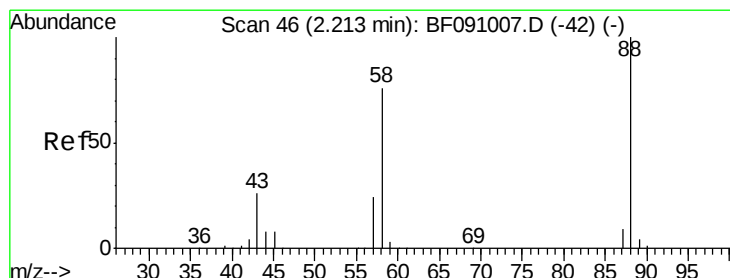
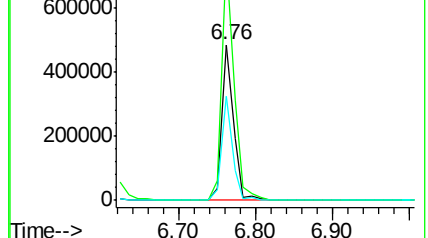
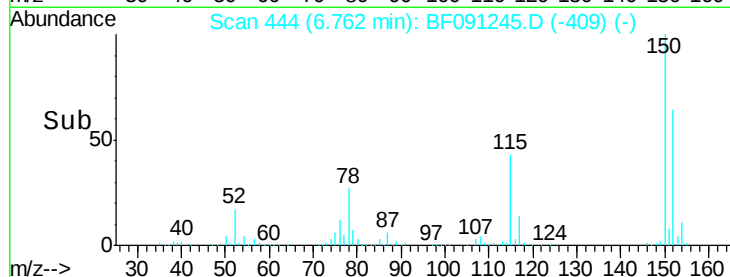
115 66.9 53.3 79.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 8.31 ng

RT: 2.12 min Scan# 38

Delta R.T. -0.02 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

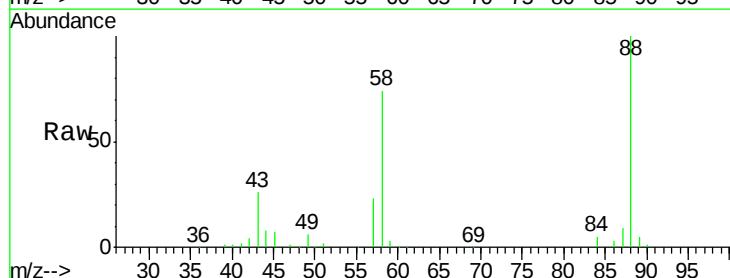
Tgt Ion: 88 Resp: 147548

Ion Ratio Lower Upper

88 100

58 76.7 63.8 95.6

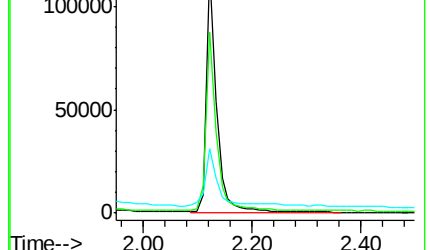
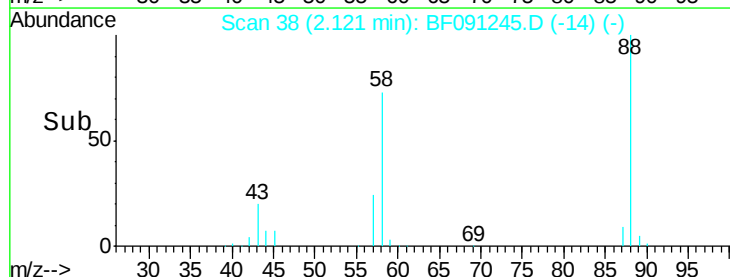
43 28.2 22.6 33.8

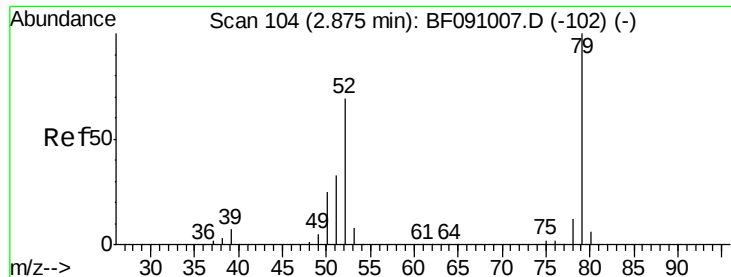


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 10.00 ng

RT: 2.76 min Scan# 94

Delta R.T. -0.02 min

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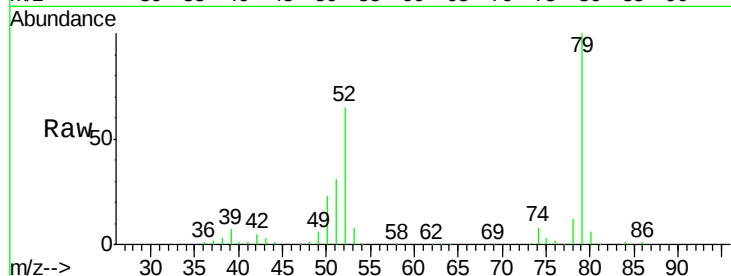
Tgt Ion: 79 Resp: 415590

Ion Ratio Lower Upper

79 100

52 65.0 55.4 83.0

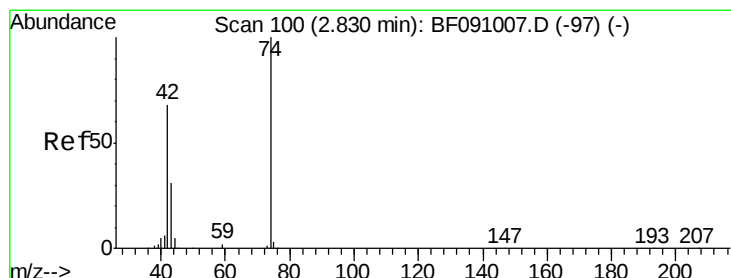
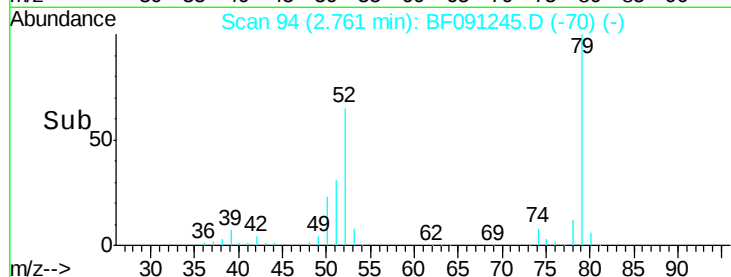
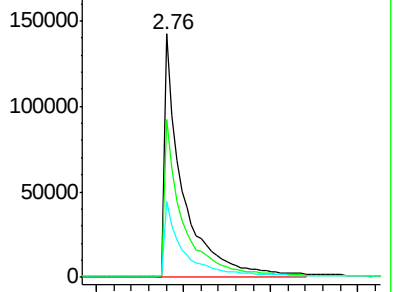
51 31.3 27.4 41.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 11.81 ng

RT: 2.72 min Scan# 90

Delta R.T. -0.03 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

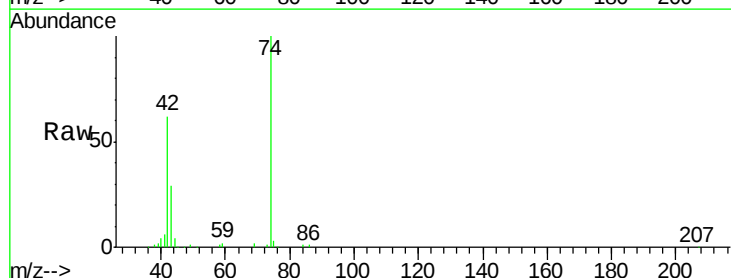
Tgt Ion: 42 Resp: 194125

Ion Ratio Lower Upper

42 100

74 162.1 117.3 175.9

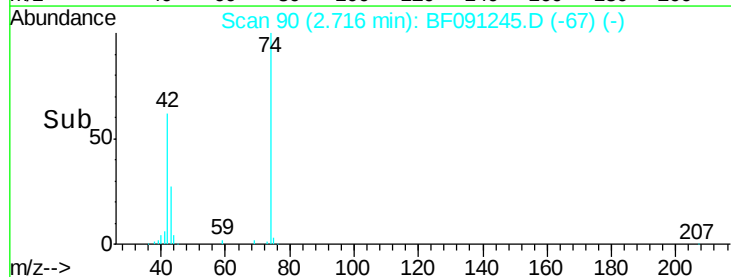
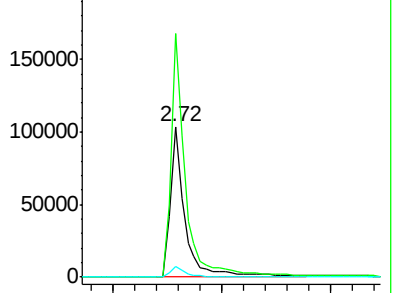
44 7.2 5.8 8.8

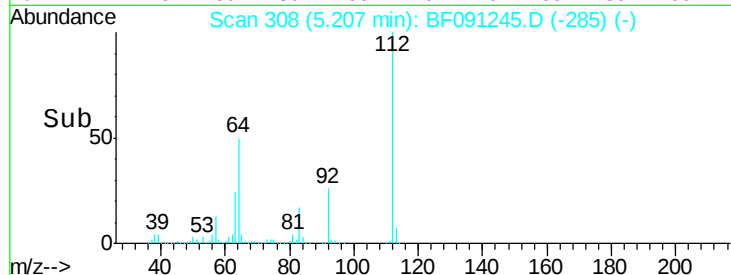
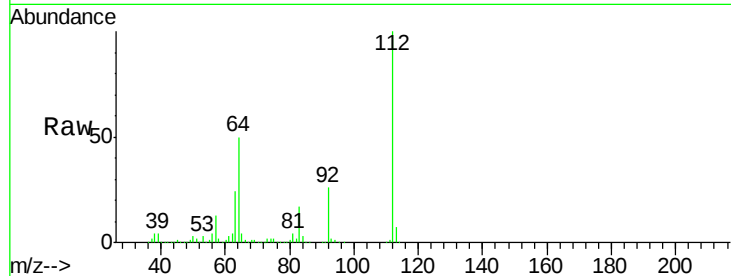


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0

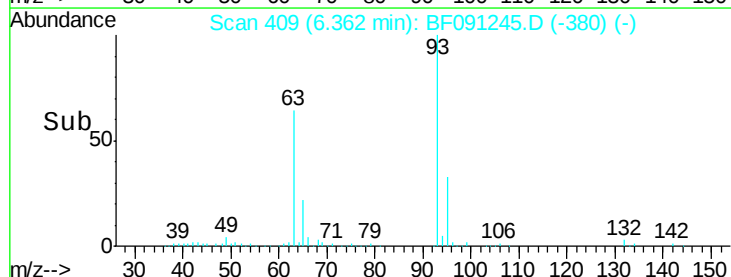
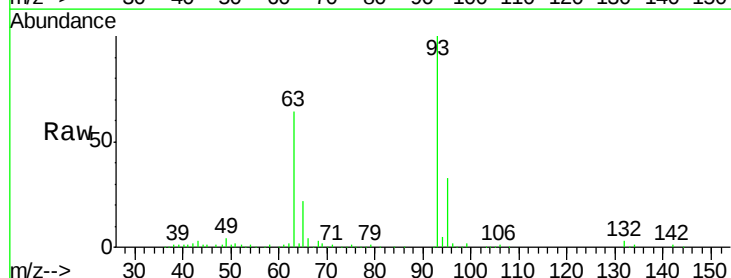
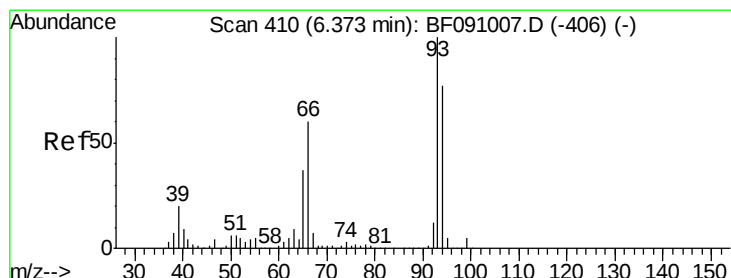
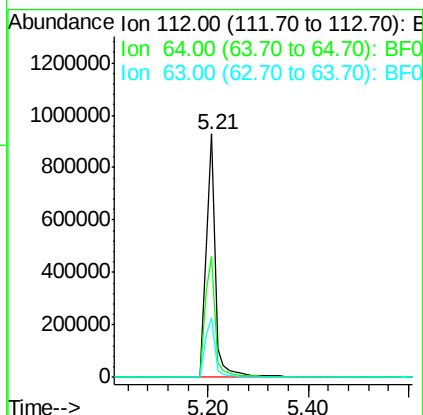




#5
2-Fluorophenol
Concen: 38.17 ng
RT: 5.21 min Scan# 308
Delta R.T. -0.03 min
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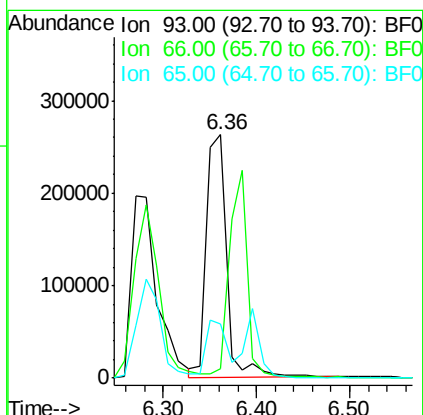
Instrument :
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ClientSampleId :
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Tgt Ion: 112 Resp: 1185393
Ion Ratio Lower Upper
112 100
64 49.5 55.8 83.6#
63 24.4 28.0 42.0#



#6
Aniline
Concen: 8.05 ng
RT: 6.36 min Scan# 409
Delta R.T. 0.03 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion: 93 Resp: 400292
Ion Ratio Lower Upper
93 100
66 3.6 48.2 72.2#
65 22.1 29.4 44.0#





#7

Phenol-d6

Concen: 33.81 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

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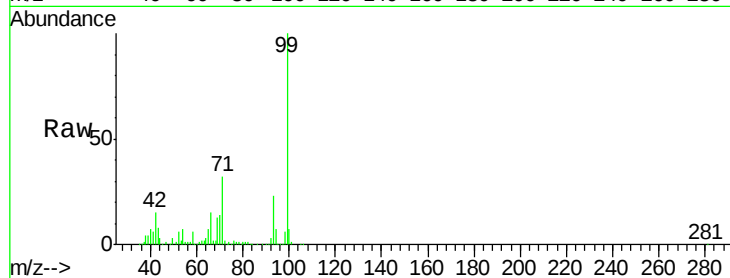
Tgt Ion: 99 Resp: 1425255

Ion Ratio Lower Upper

99 100

42 14.7 13.9 20.9

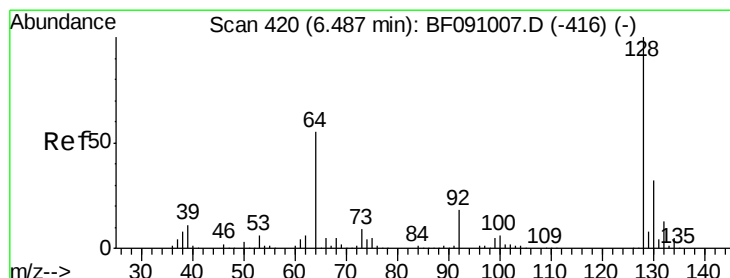
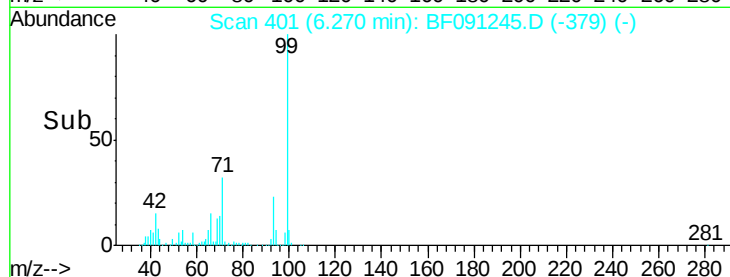
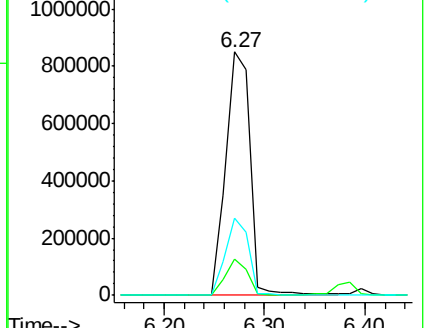
71 31.9 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 11.02 ng

RT: 6.40 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

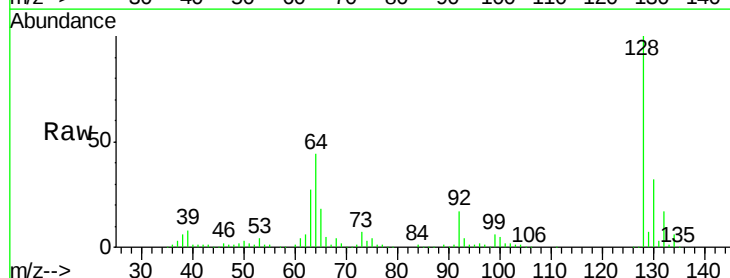
Tgt Ion: 128 Resp: 408398

Ion Ratio Lower Upper

128 100

130 32.5 12.0 52.0

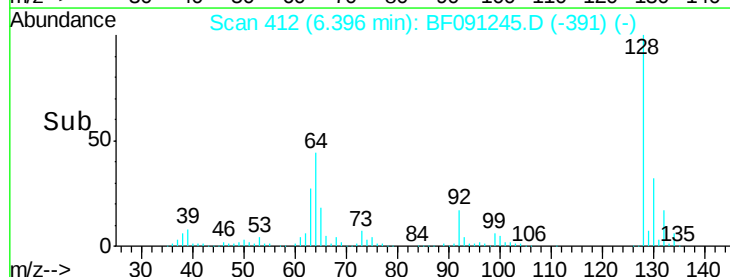
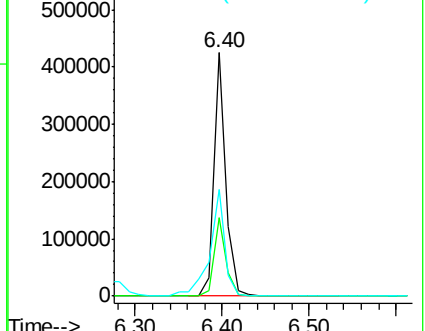
64 43.9 37.2 77.2

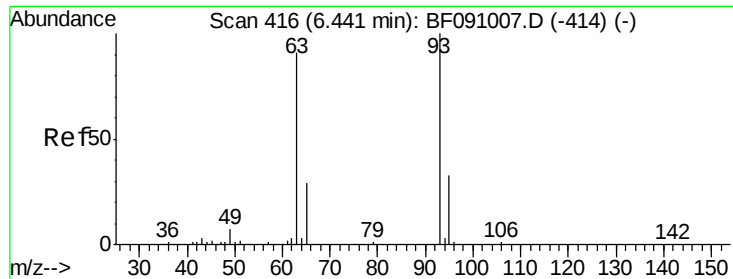


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

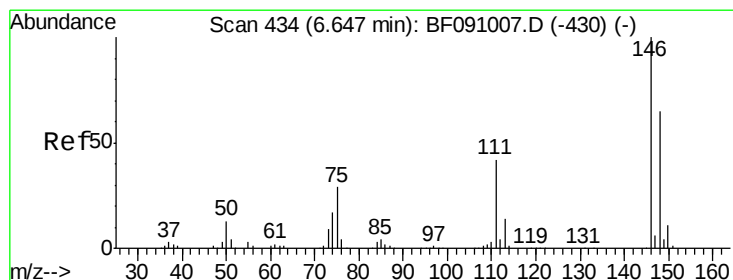
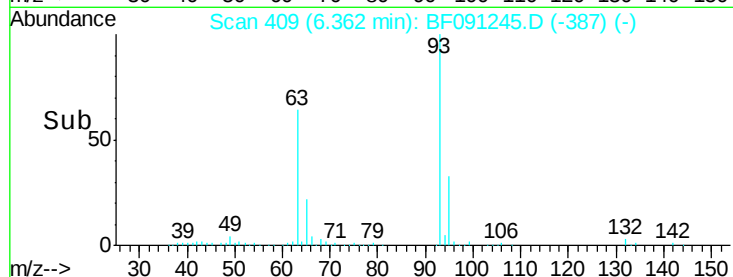
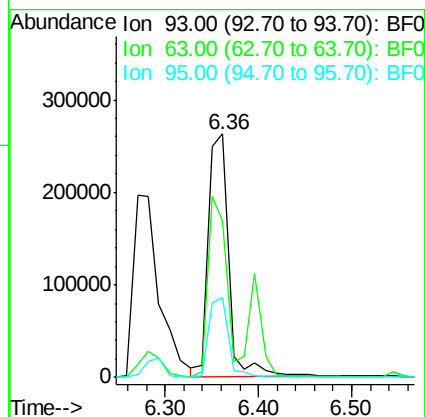
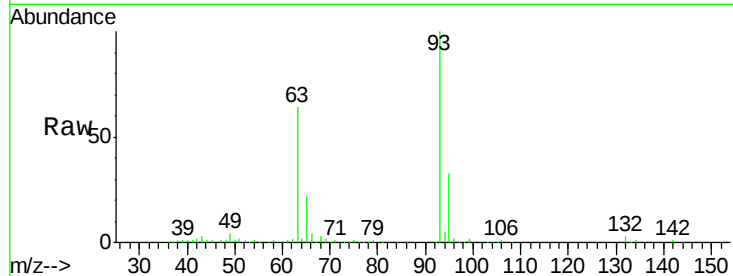




#11
bis(2-Chloroethyl)ether
Concen: 10.18 ng
RT: 6.36 min Scan# 409
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

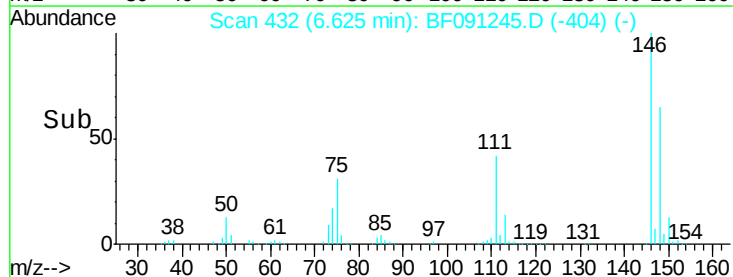
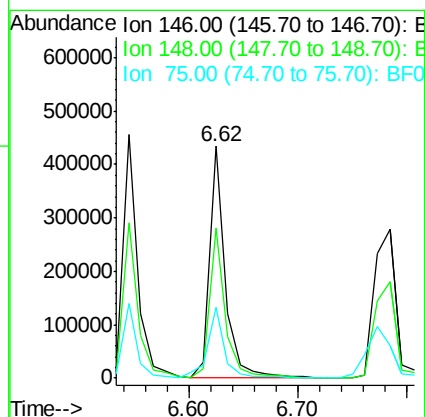
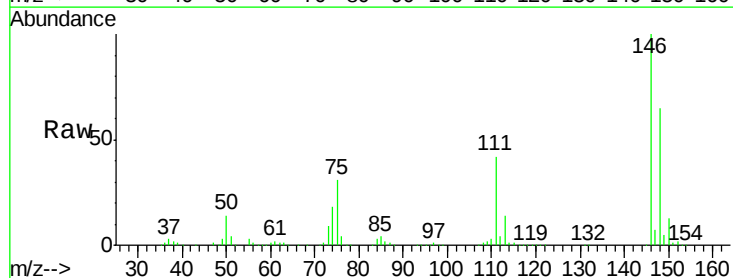
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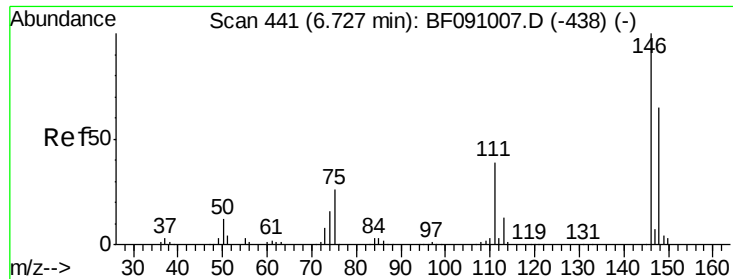
Tgt Ion: 93 Resp: 400292
Ion Ratio Lower Upper
93 100
63 64.1 68.9 108.9#
95 32.8 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 11.84 ng
RT: 6.62 min Scan# 432
Delta R.T. 0.02 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion: 146 Resp: 443608
Ion Ratio Lower Upper
146 100
148 64.8 52.0 78.0
75 30.8 23.0 34.6

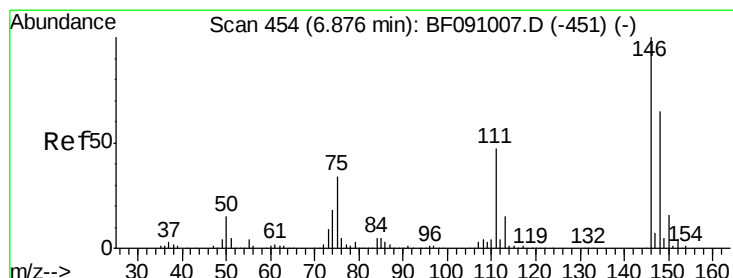
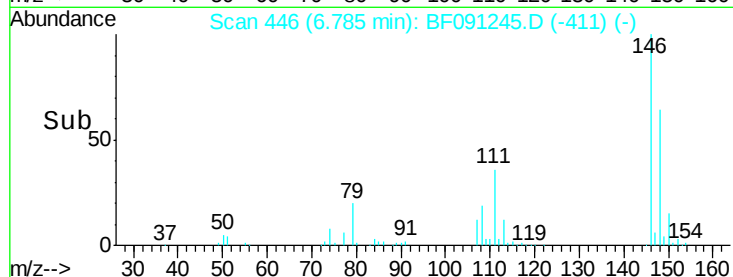
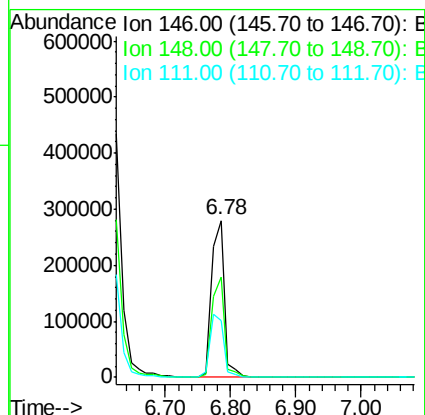
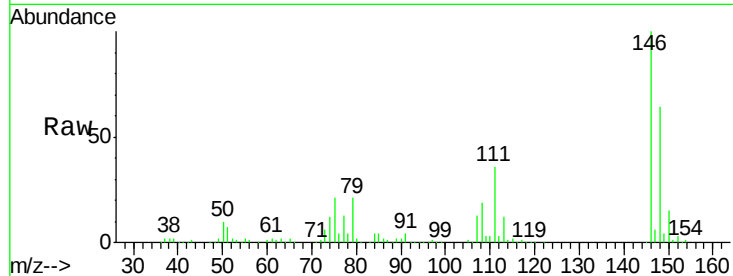




#13
 1,4-Dichlorobenzene
 Concen: 9.76 ng
 RT: 6.78 min Scan# 446
 Delta R.T. 0.10 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

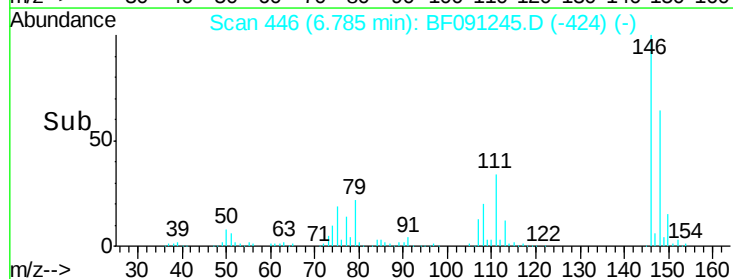
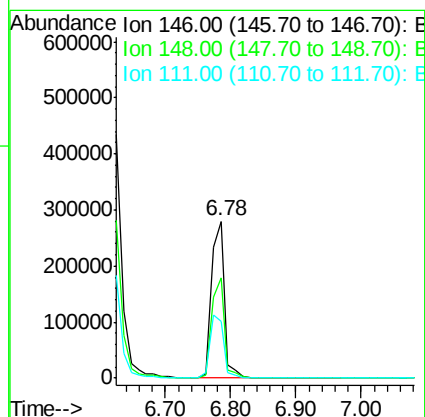
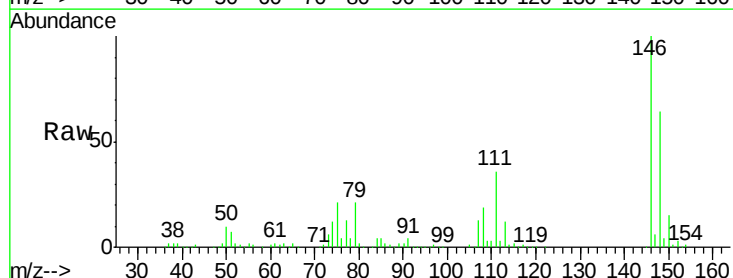
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

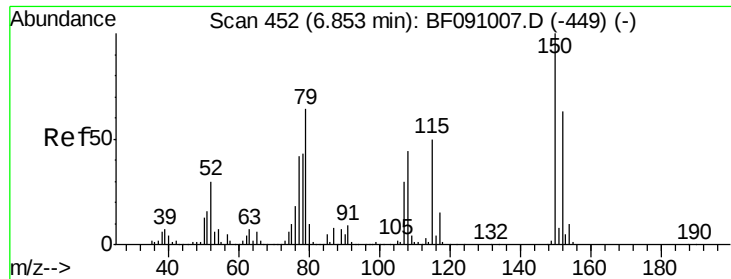
Tgt Ion:146 Resp: 392522
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.1 78.1
 111 35.9 31.6 47.4



#14
 1,2-Dichlorobenzene
 Concen: 10.64 ng
 RT: 6.78 min Scan# 446
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion:146 Resp: 392522
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.6 77.4
 111 35.9 37.3 55.9#





#15

Benzyl Alcohol

Concen: 6.49 ng

RT: 6.90 min Scan# 456

Delta R.T. 0.08 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

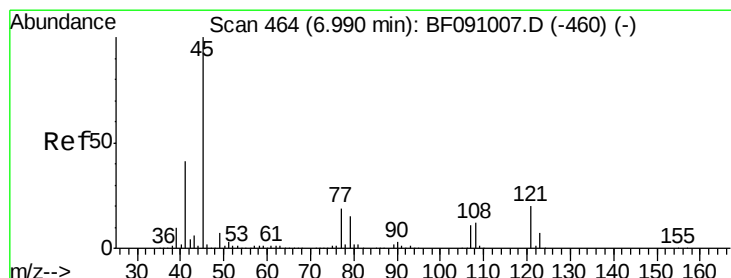
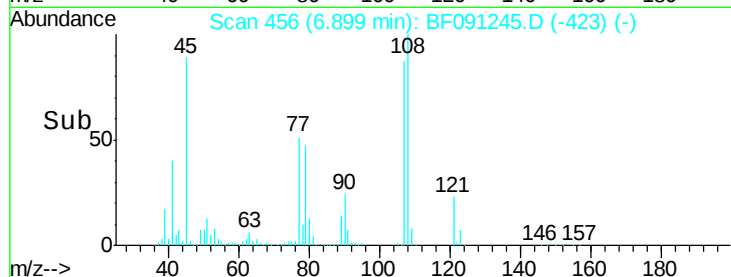
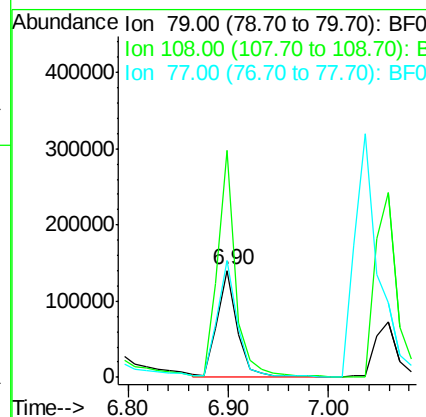
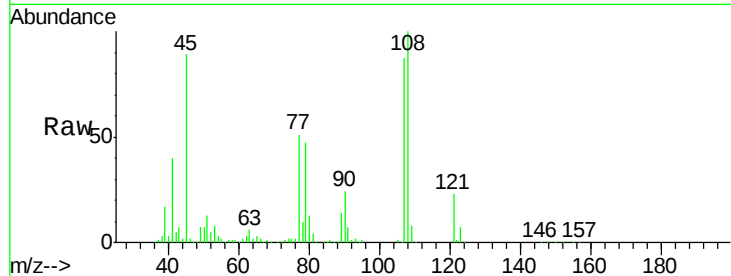
Tgt Ion: 79 Resp: 192862

Ion Ratio Lower Upper

79 100

108 211.5 55.7 83.5#

77 108.5 52.6 79.0#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.62 ng

RT: 6.90 min Scan# 456

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

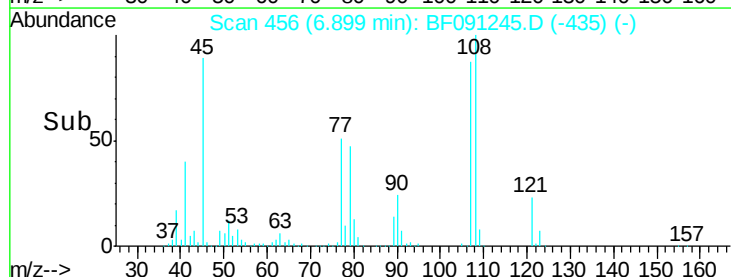
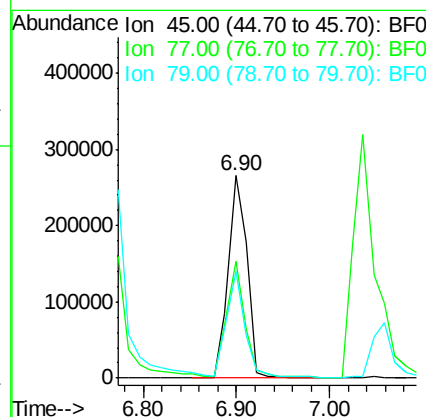
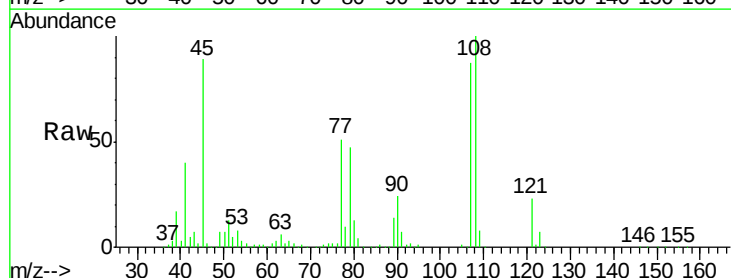
Tgt Ion: 45 Resp: 372706

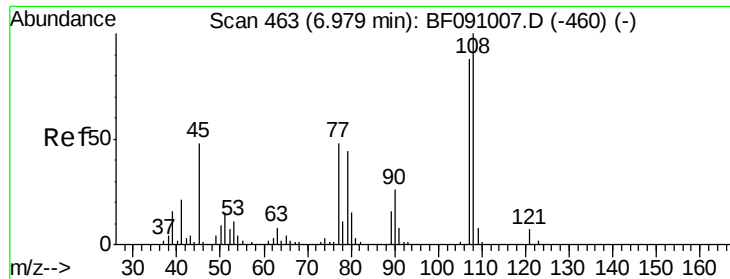
Ion Ratio Lower Upper

45 100

77 57.6 0.0 39.6#

79 53.0 0.0 35.9#

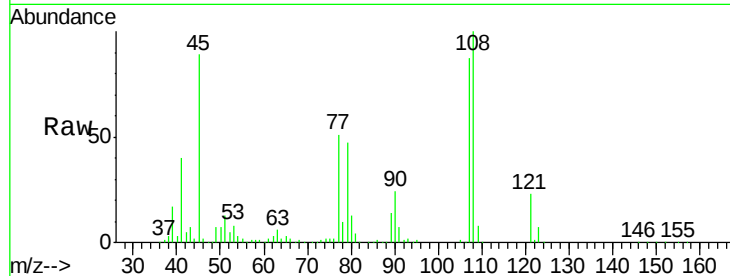




#17
2-Methylphenol
Concen: 10.91 ng
RT: 6.90 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.0	136.6
77	58.9	43.8	65.8
79	54.2	40.6	60.8



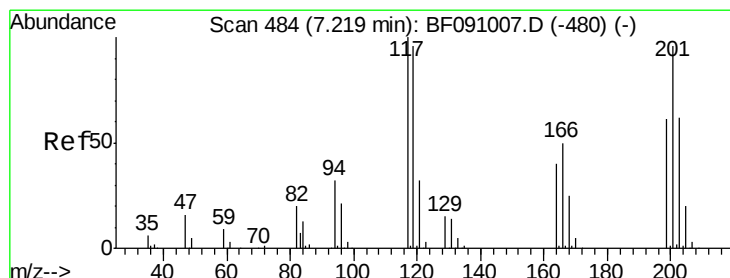
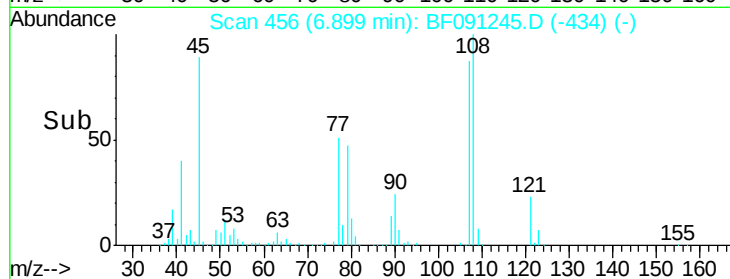
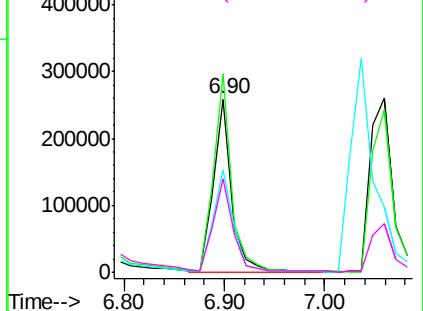
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

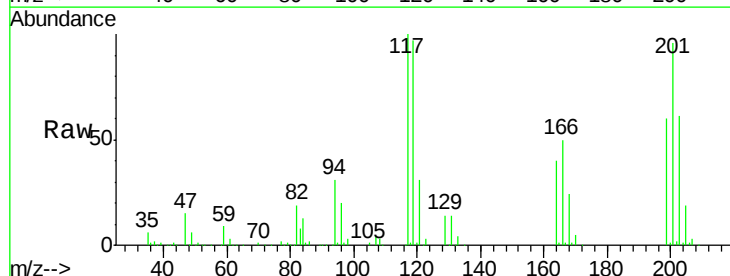
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 9.66 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.06 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
201	96.1	77.1	115.7

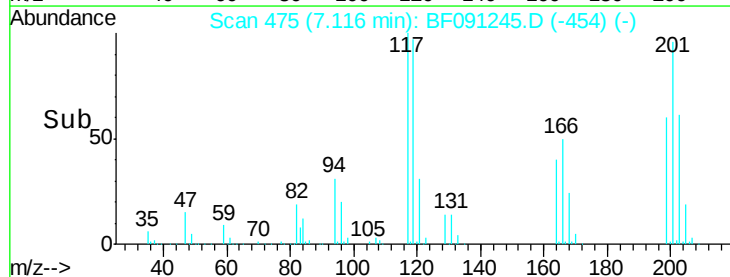
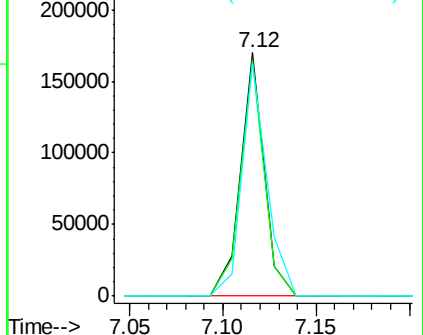


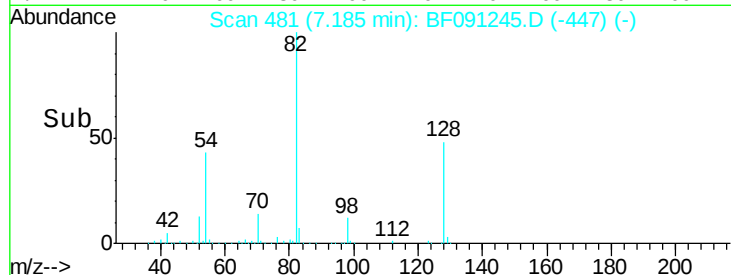
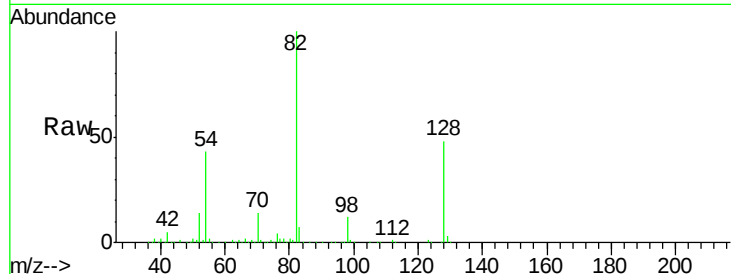
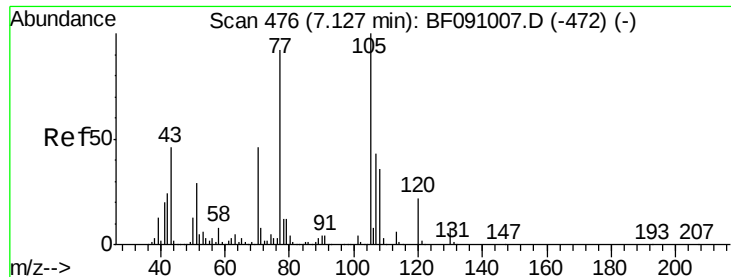
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

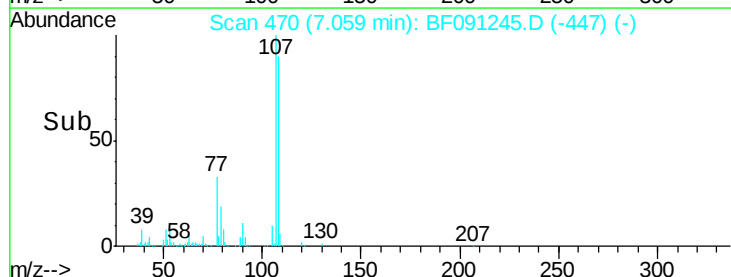
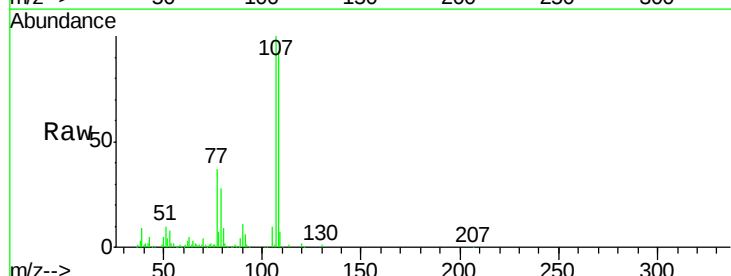
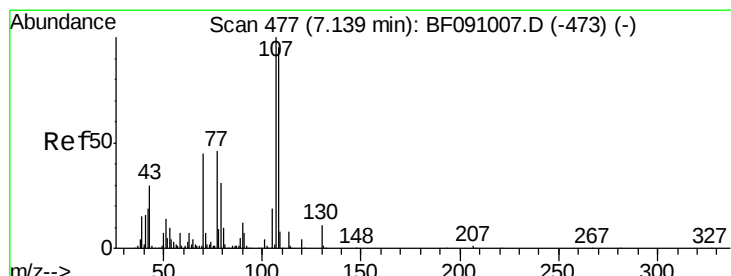
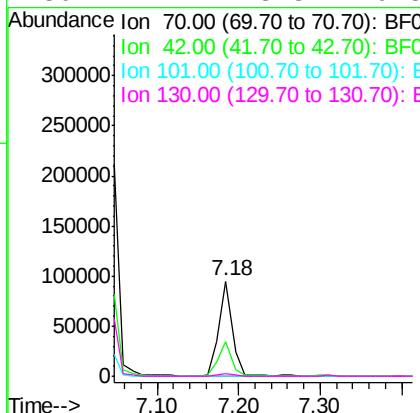




#19
n-Nitroso-di-n-propylamine
Concen: 3.83 ng
RT: 7.18 min Scan# 481
Delta R.T. 0.09 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

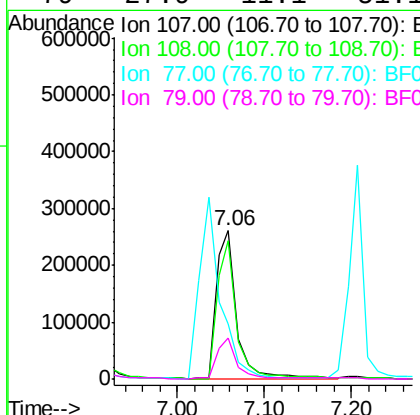
Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

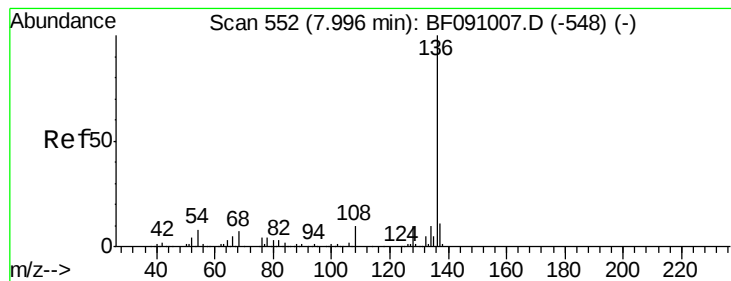
Tgt Ion: 70 Resp: 111790
Ion Ratio Lower Upper
70 100
42 36.1 41.7 62.5#
101 0.0 6.7 10.1#
130 2.4 13.8 20.8#



#20
3+4-Methylphenols
Concen: 12.04 ng
RT: 7.06 min Scan# 470
Delta R.T. -0.03 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion: 107 Resp: 424105
Ion Ratio Lower Upper
107 100
108 93.1 75.5 115.5
77 37.4 26.4 66.4
79 27.9 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.89 min Scan# 543

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

Tgt Ion:136 Resp: 655359

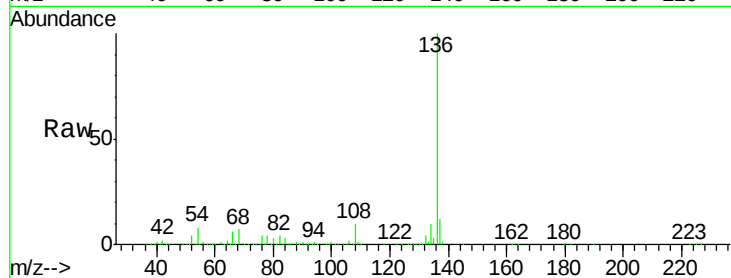
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.9 6.2 9.2

68 7.2 5.5 8.3

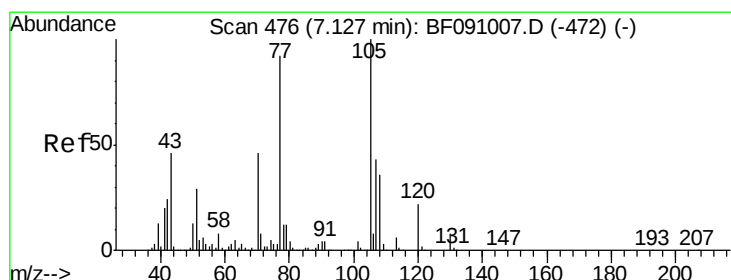
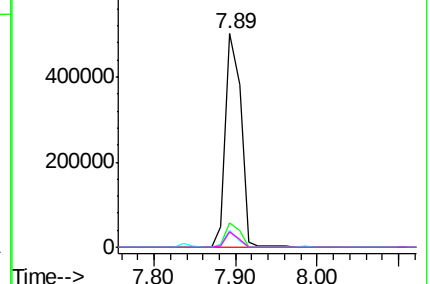
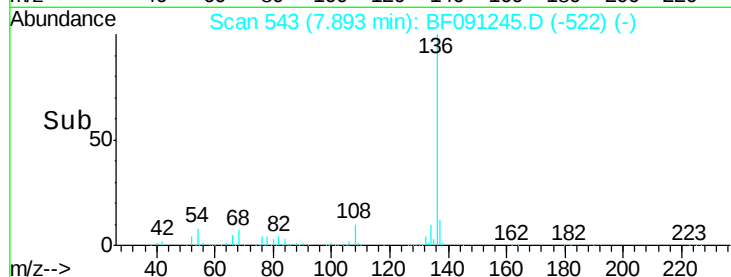


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 36.59 ng

RT: 7.04 min Scan# 468

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Tgt Ion:105 Resp: 552089

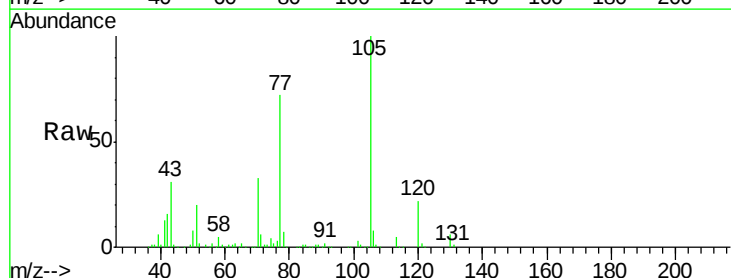
Ion Ratio Lower Upper

105 100

71 5.7 6.2 9.2#

51 19.7 23.3 34.9#

120 22.1 17.4 26.0

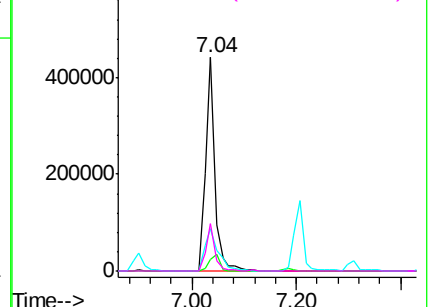
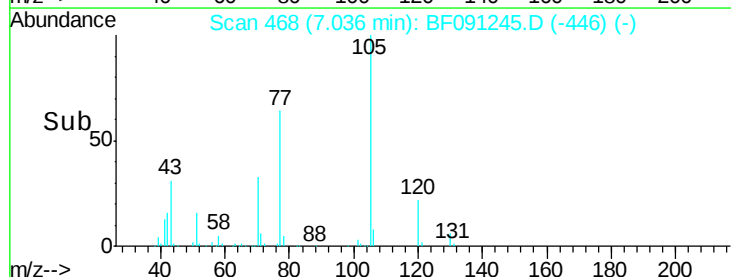


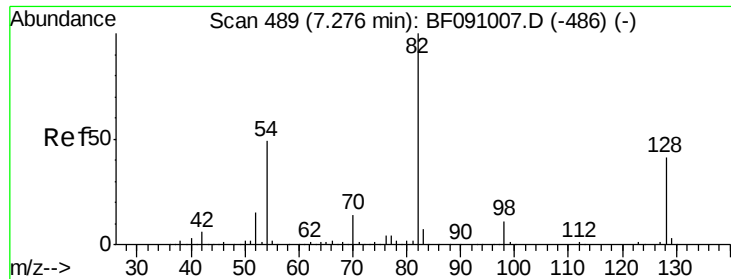
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

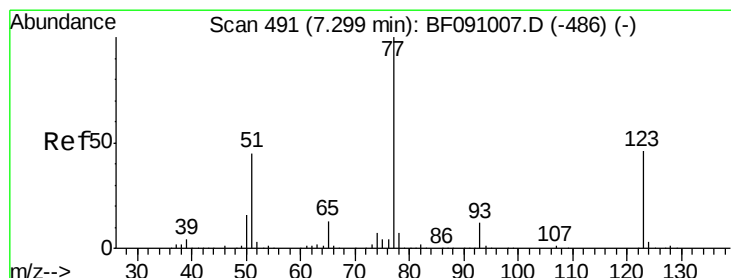
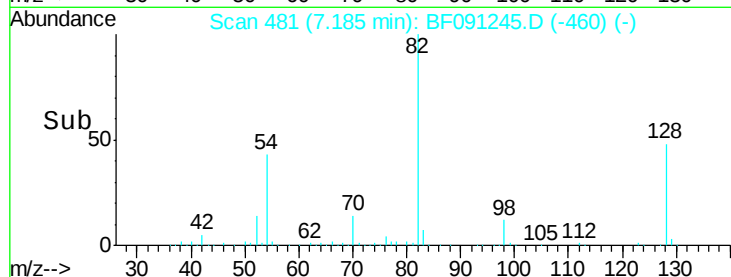
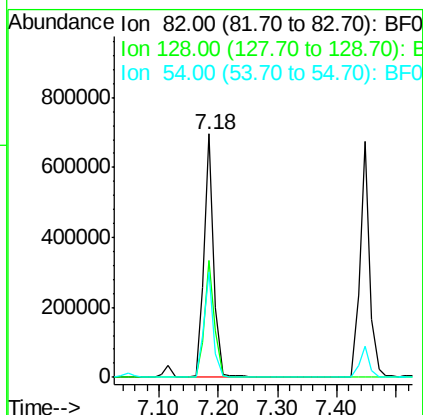
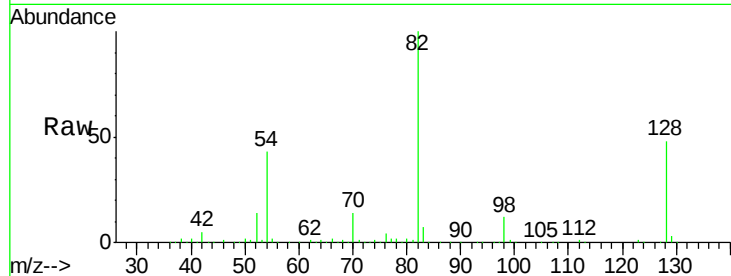




#23
 Nitrobenzene-d5
 Concen: 68.68 ng
 RT: 7.18 min Scan# 481
 Delta R.T. -0.06 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

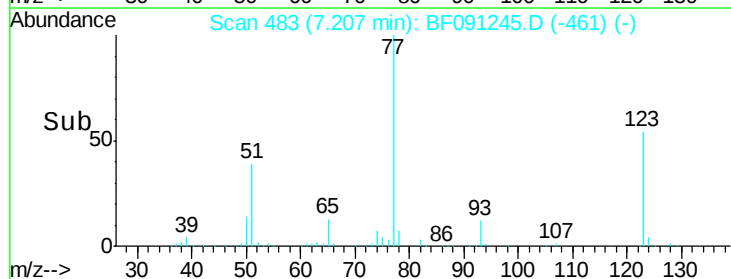
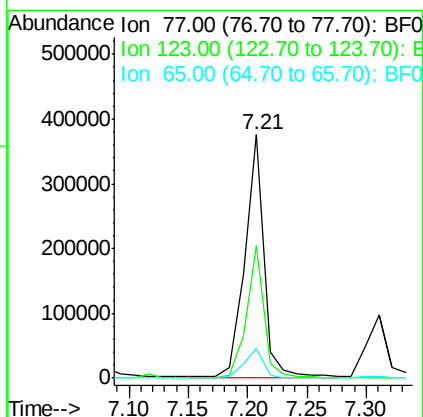
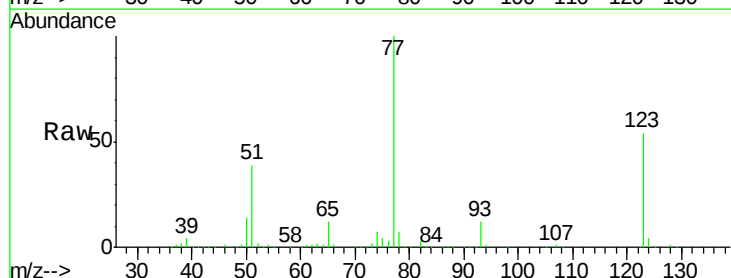
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

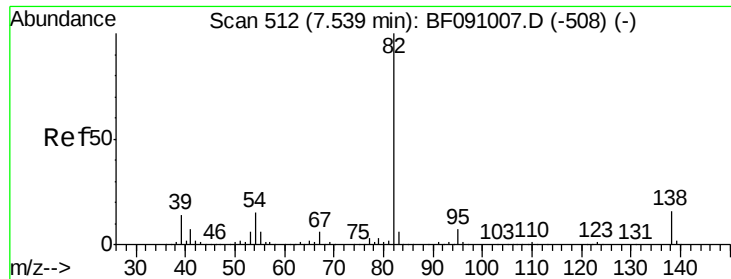
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.0	32.4	48.6
54	43.2	39.2	58.8



#24
 Nitrobenzene
 Concen: 31.76 ng
 RT: 7.21 min Scan# 483
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion	Ratio	Lower	Upper
77	100		
123	54.1	36.5	54.7
65	12.4	10.7	16.1





#25

Isophorone

Concen: 32.75 ng

RT: 7.45 min Scan# 504

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

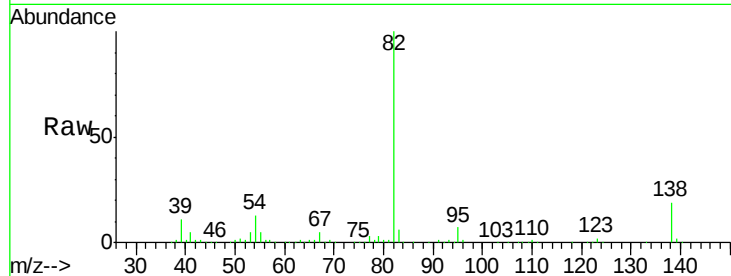
Tgt Ion: 82 Resp: 758114

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.0

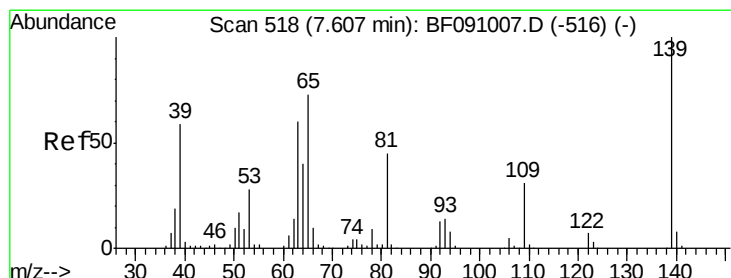
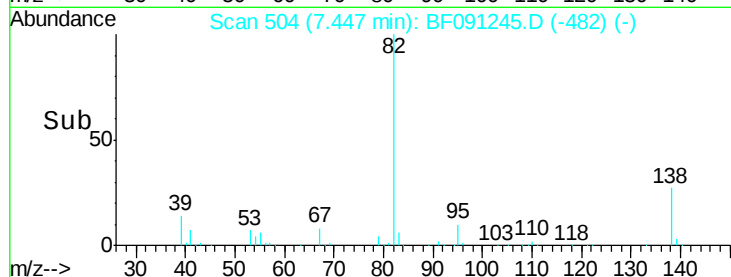
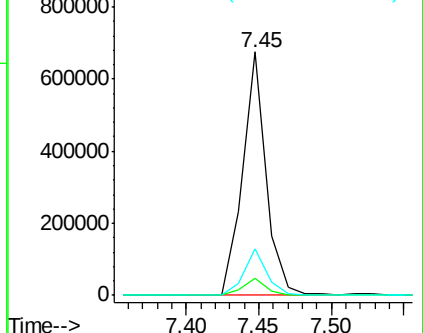
138 18.9 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 38.62 ng

RT: 7.53 min Scan# 511

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

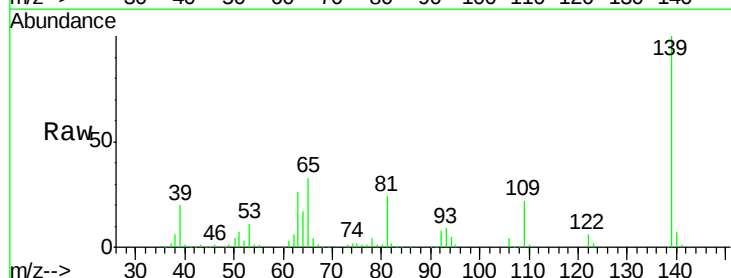
Tgt Ion: 139 Resp: 216850

Ion Ratio Lower Upper

139 100

109 21.7 24.7 37.1#

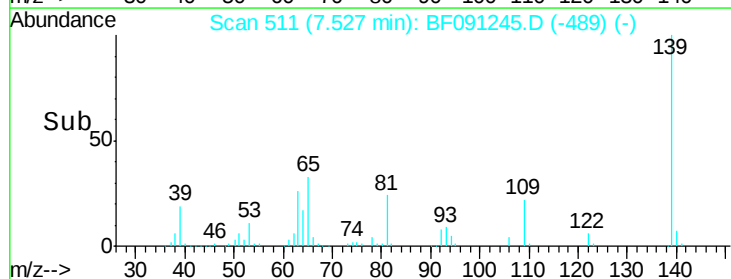
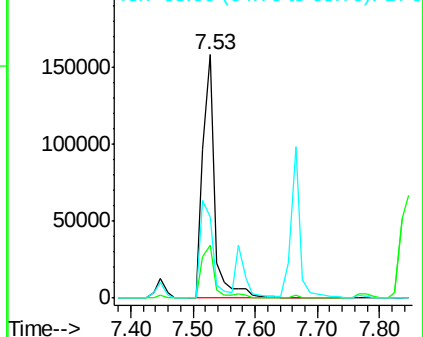
65 33.4 58.3 87.5#

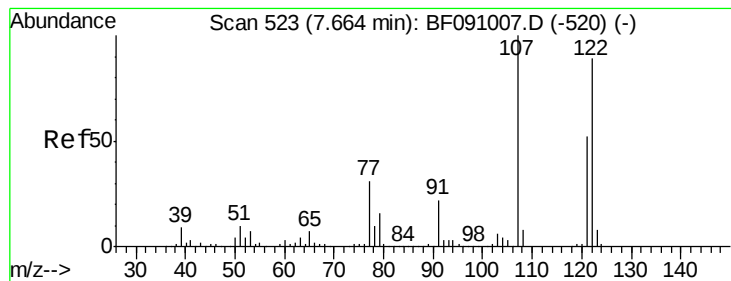


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 37.23 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

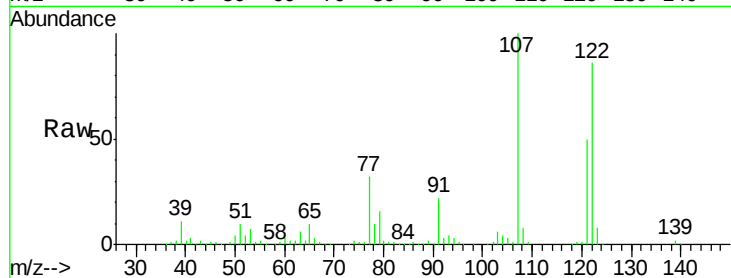
Tgt Ion:122 Resp: 345733

Ion Ratio Lower Upper

122 100

107 116.3 89.6 134.4

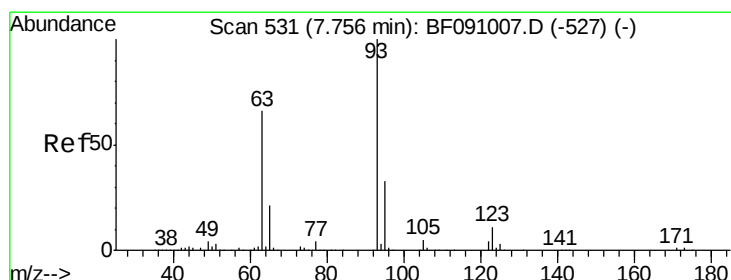
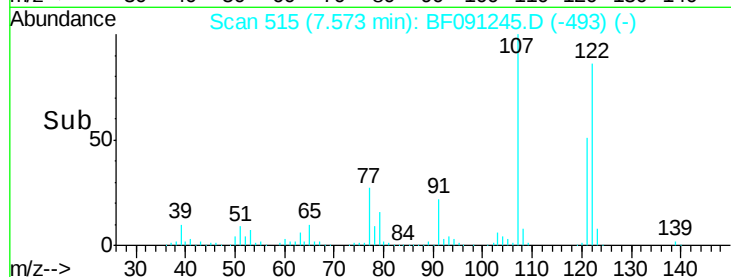
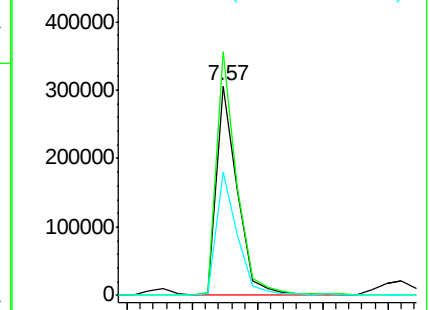
121 58.6 46.3 69.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.53 ng

RT: 7.66 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

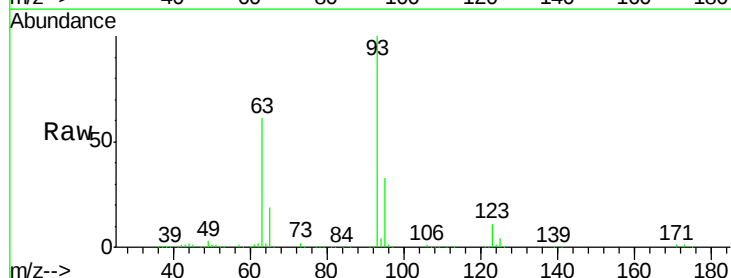
Tgt Ion: 93 Resp: 487240

Ion Ratio Lower Upper

93 100

95 33.1 26.3 39.5

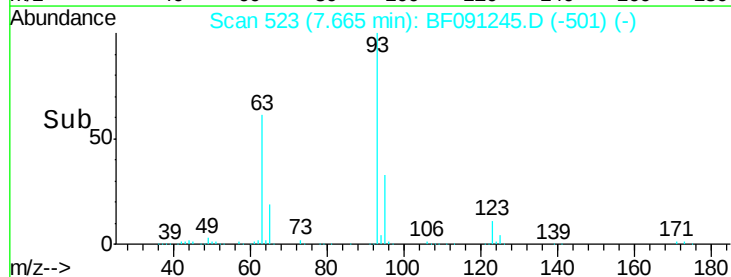
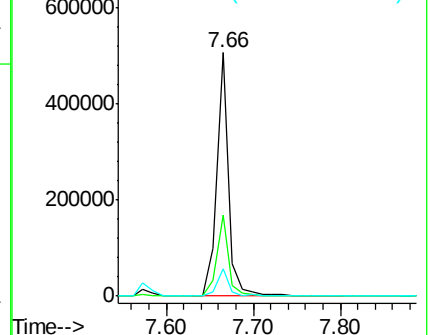
123 11.0 8.7 13.1

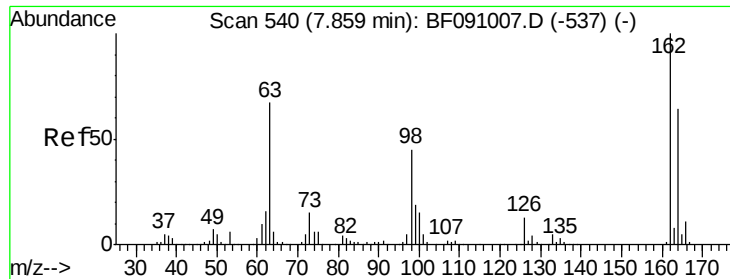


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

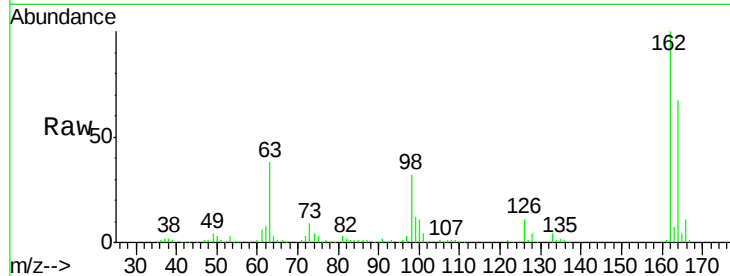




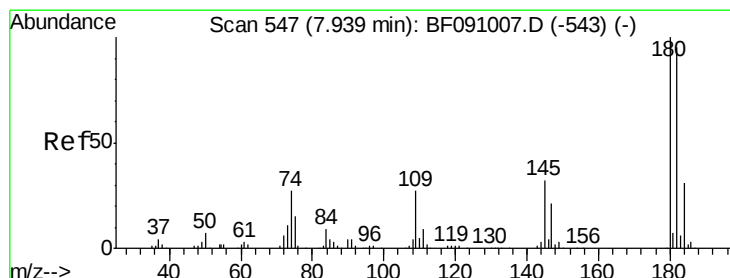
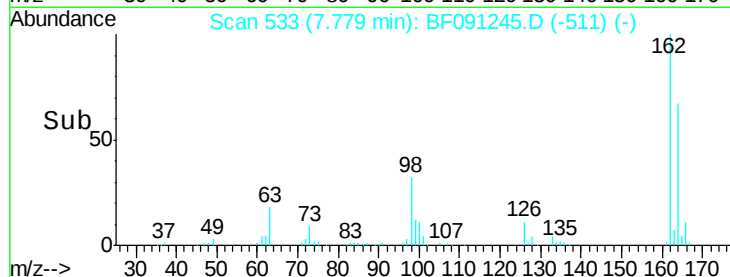
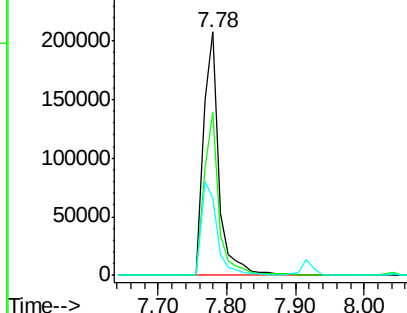
#29
 2,4-Dichlorophenol
 Concen: 39.38 ng
 RT: 7.78 min Scan# 533
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

Tgt Ion:162 Resp: 319133
 Ion Ratio Lower Upper
 162 100
 164 66.7 44.4 84.4
 98 31.8 25.2 65.2

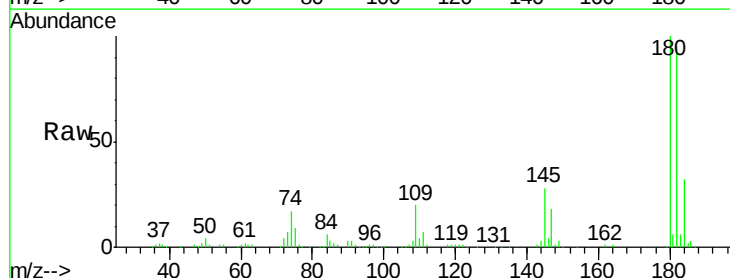


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

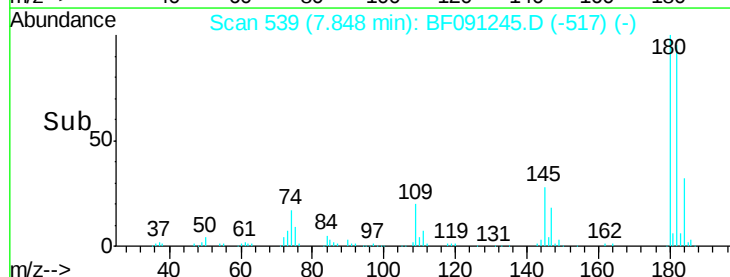
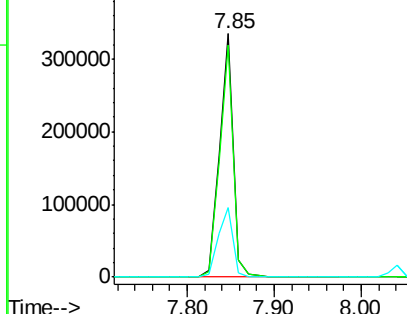


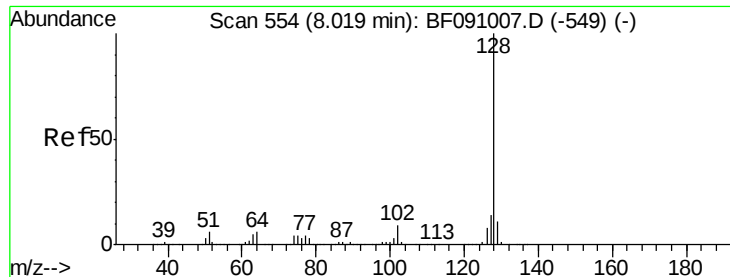
#30
 1,2,4-Trichlorobenzene
 Concen: 41.07 ng
 RT: 7.85 min Scan# 539
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion:180 Resp: 374244
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.0 114.0
 145 28.4 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 35.13 ng

RT: 7.92 min Scan# 545

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

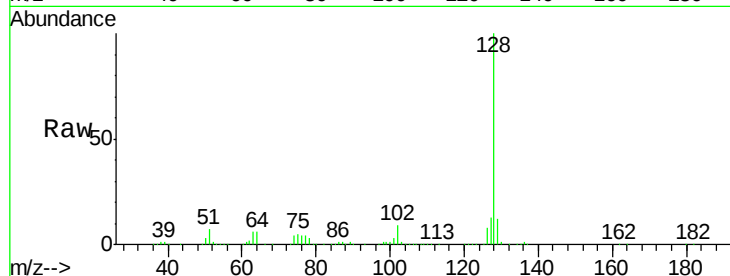
Tgt Ion:128 Resp: 1101048

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

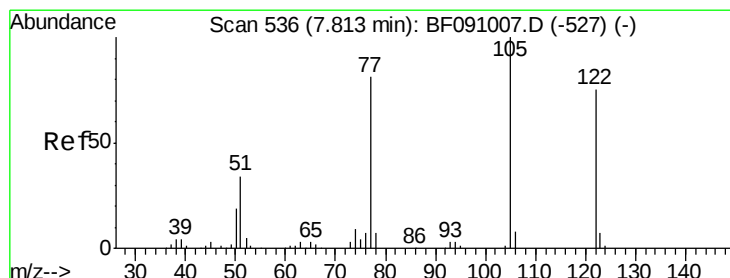
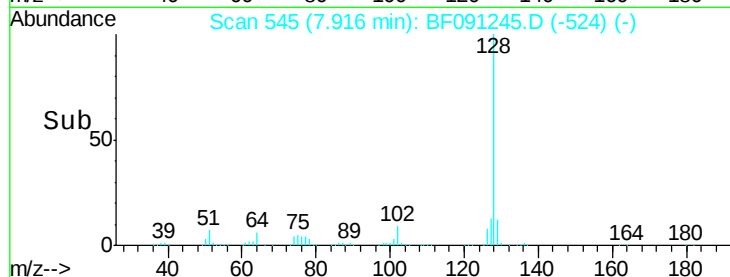
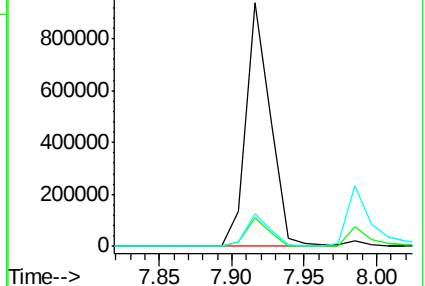
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.88 ng

RT: 7.71 min Scan# 527

Delta R.T. -0.07 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

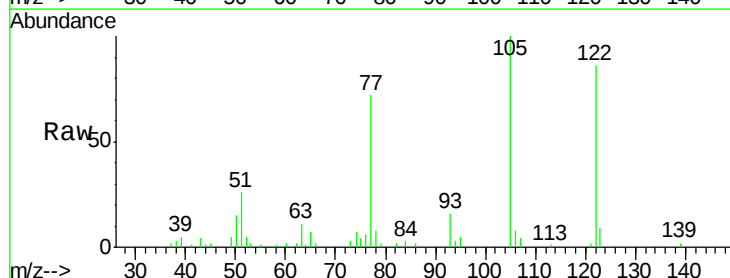
Tgt Ion:122 Resp: 46996

Ion Ratio Lower Upper

122 100

105 115.8 105.9 145.9

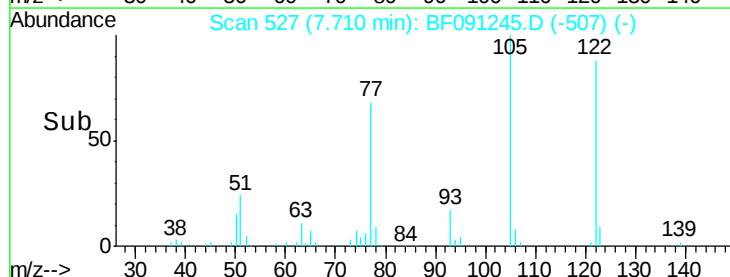
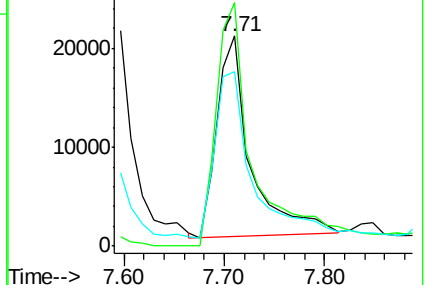
77 83.0 84.0 124.0#

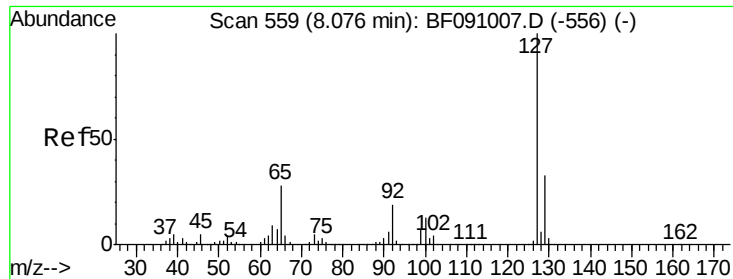


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

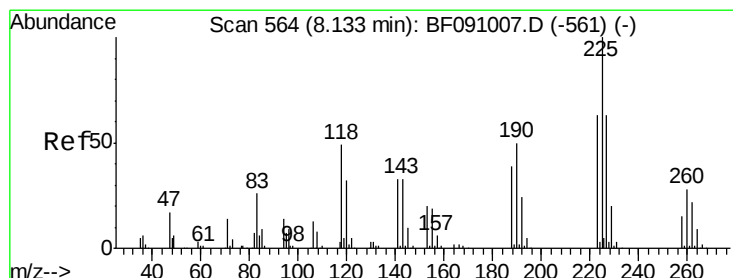
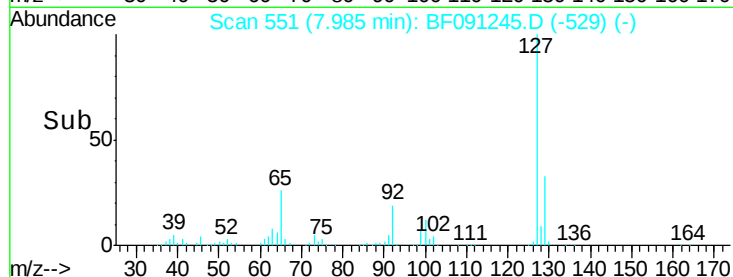
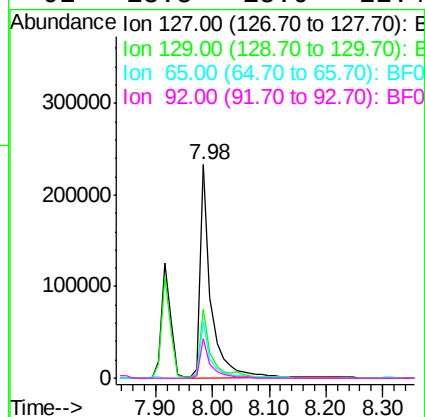
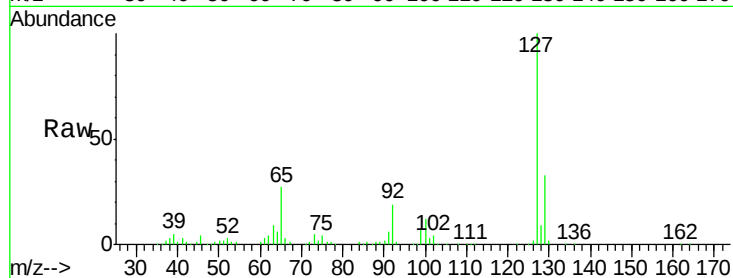




#33
4-Chloroaniline
Concen: 23.23 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

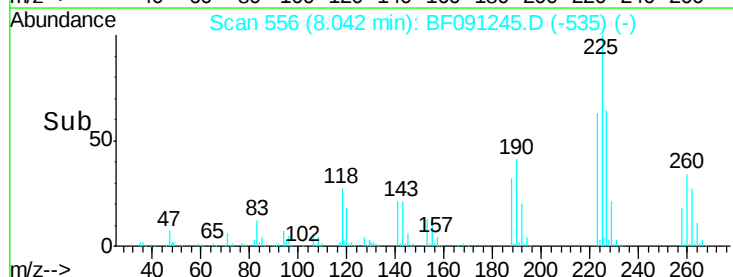
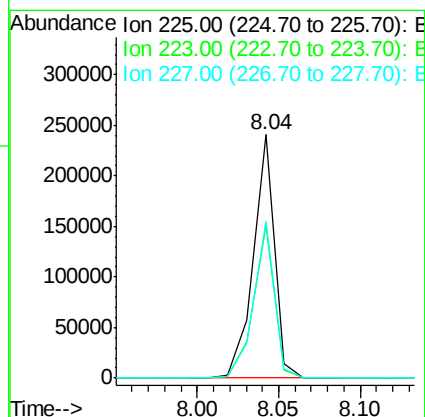
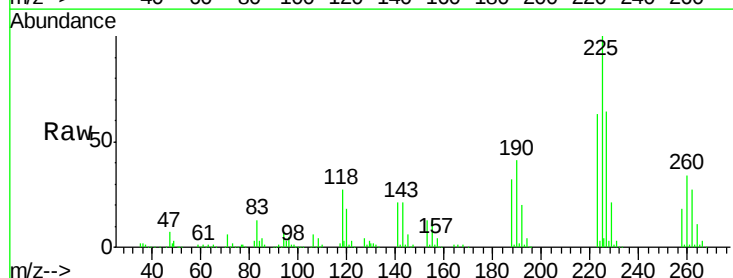
Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

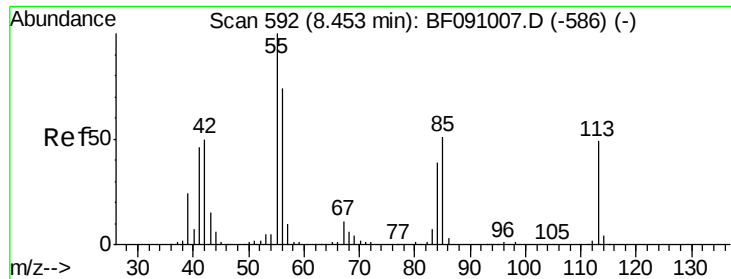
Tgt Ion:	127	Resp:	302794
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.6	39.8
65	26.5	22.2	33.2
92	18.5	15.0	22.4



#34
Hexachlorobutadiene
Concen: 43.99 ng
RT: 8.04 min Scan# 556
Delta R.T. -0.06 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion:	225	Resp:	216359
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	64.2	50.1	75.1





#35

Caprolactam

Concen: 22.55 ng

RT: 8.36 min Scan# 584

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

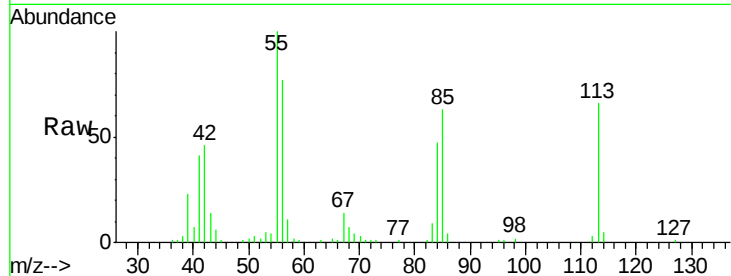
Tgt Ion:113 Resp: 57417

Ion Ratio Lower Upper

113 100

55 151.7 184.1 224.1#

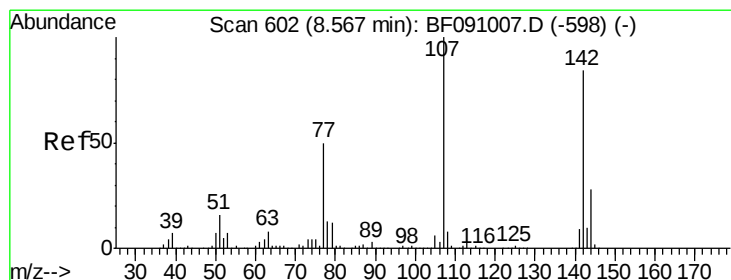
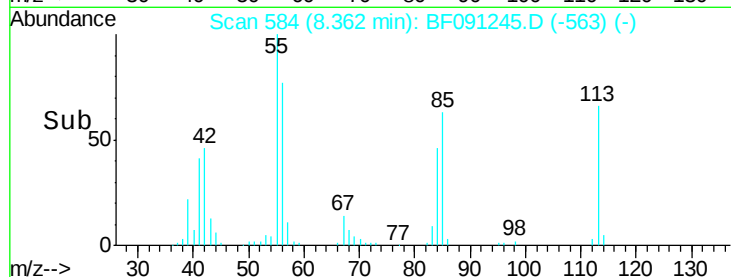
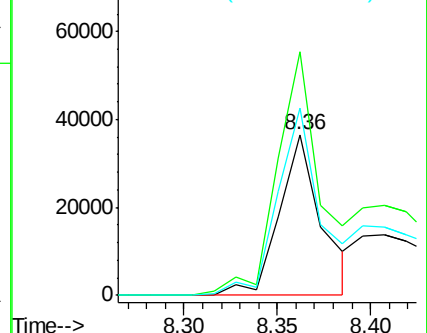
56 116.6 132.0 172.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 36.82 ng

RT: 8.49 min Scan# 595

Delta R.T. -0.03 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

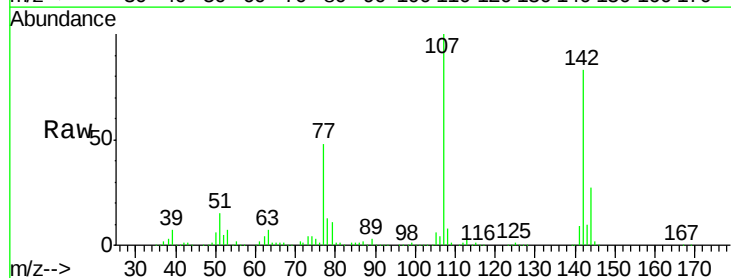
Tgt Ion:107 Resp: 361230

Ion Ratio Lower Upper

107 100

144 27.1 22.5 33.7

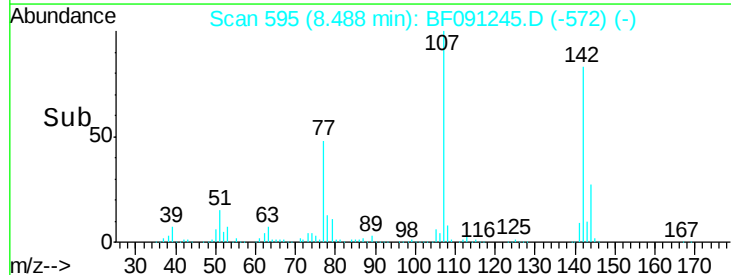
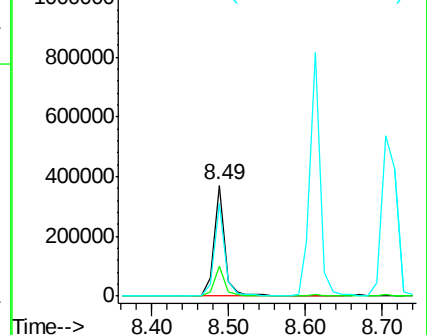
142 83.1 67.4 101.2

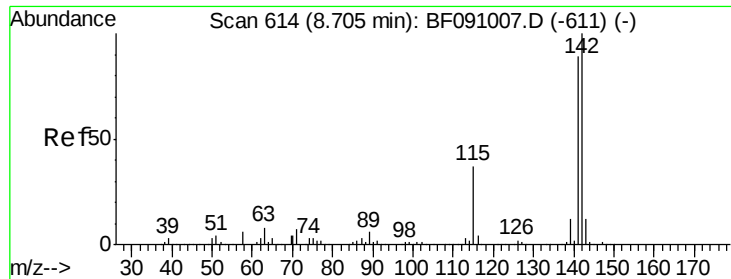


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

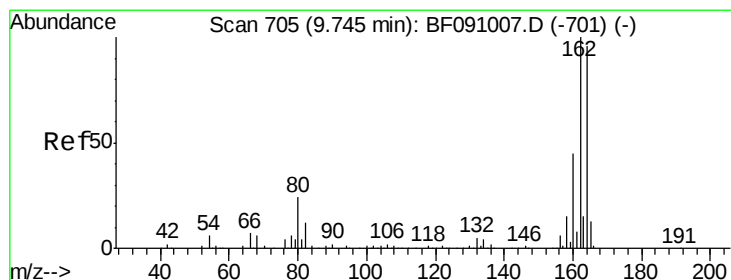
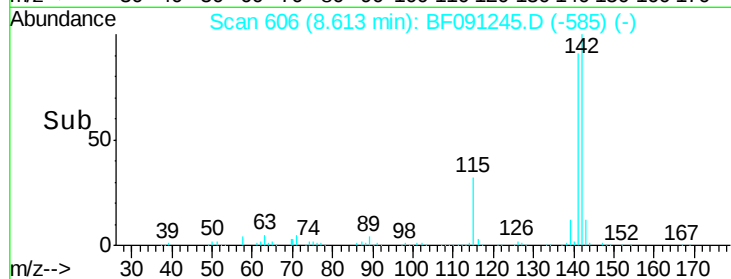
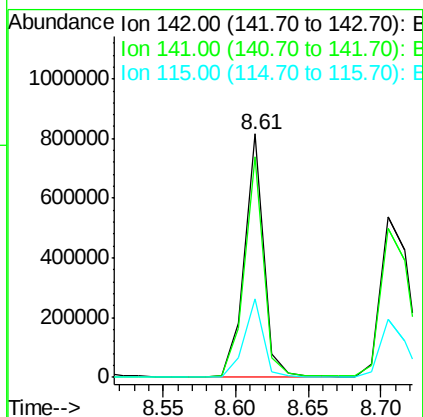
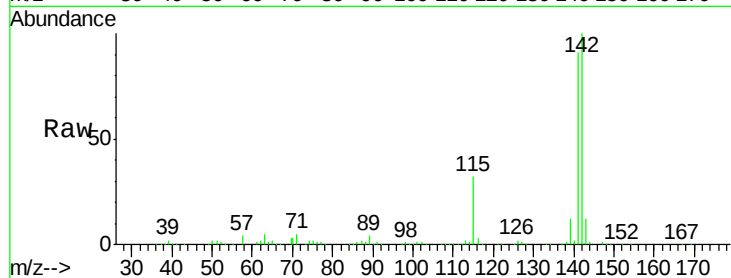




#37
 2-Methylnaphthalene
 Concen: 37.76 ng
 RT: 8.61 min Scan# 606
 Delta R.T. -0.06 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

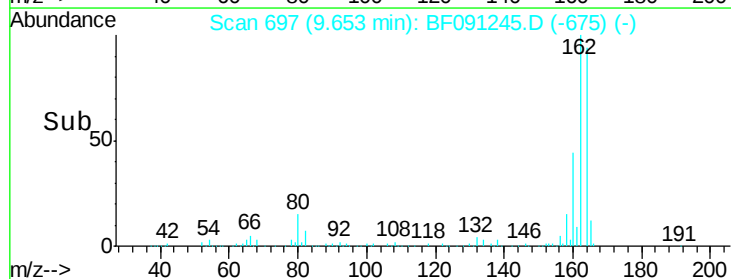
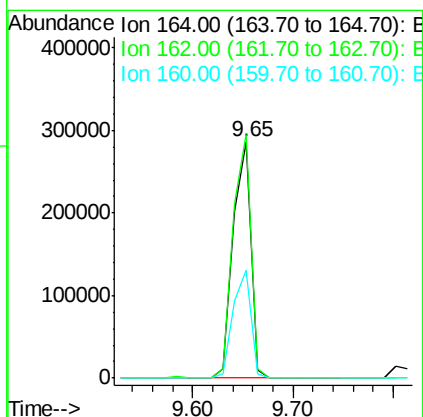
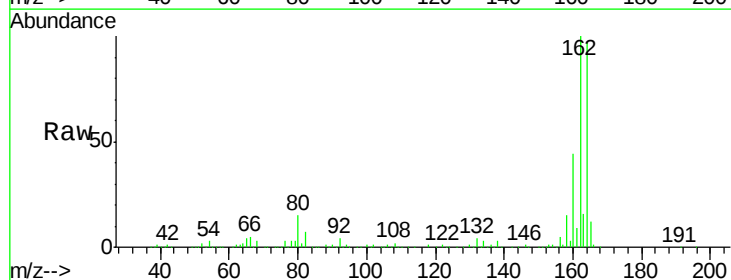
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

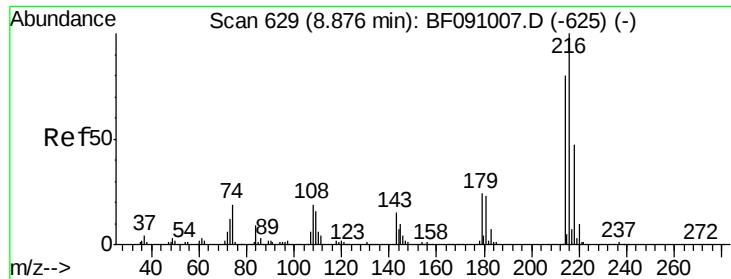
Tgt Ion:142 Resp: 760892
 Ion Ratio Lower Upper
 142 100
 141 90.5 71.3 106.9
 115 32.5 29.9 44.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.65 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion:164 Resp: 351254
 Ion Ratio Lower Upper
 164 100
 162 103.1 83.6 125.4
 160 45.7 37.9 56.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.65 ng

RT: 8.78 min Scan# 621

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

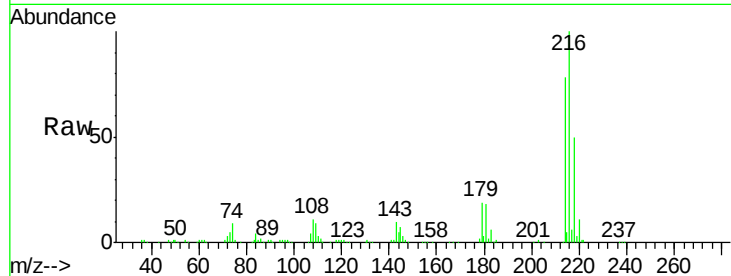
Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

Tgt Ion:	216	Resp:	364003
Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.5	95.3
179	21.0	19.1	28.7
108	17.0	17.5	26.3#

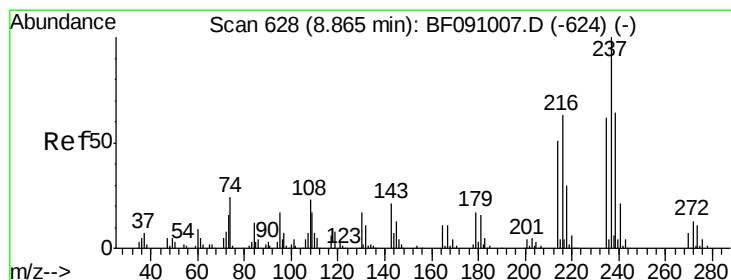
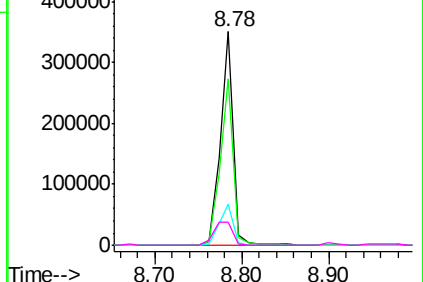
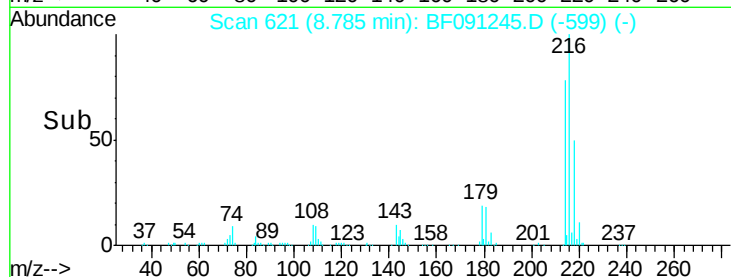


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 57.57 ng

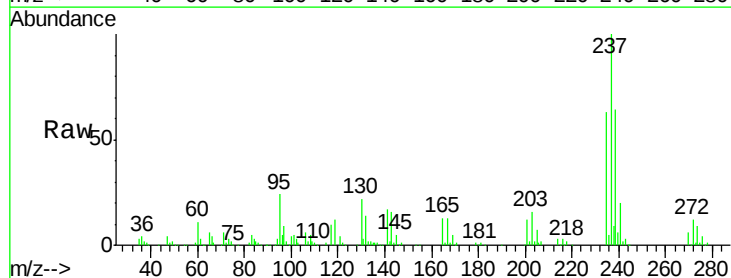
RT: 8.76 min Scan# 619

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

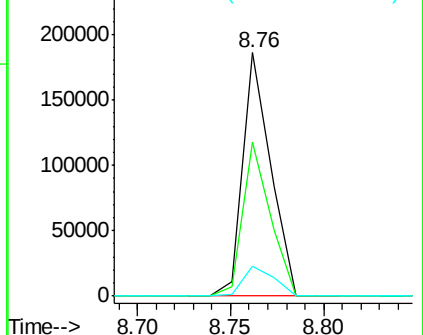
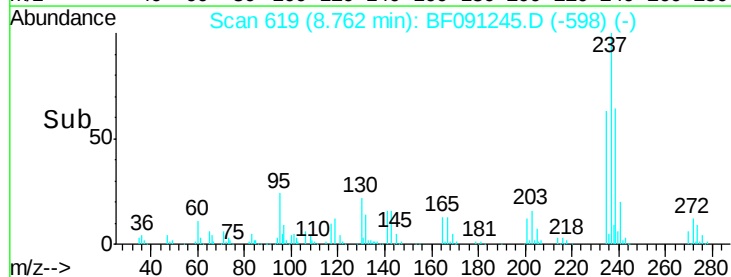
Tgt Ion:	237	Resp:	192640
Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.1	82.1
272	12.0	0.0	33.1

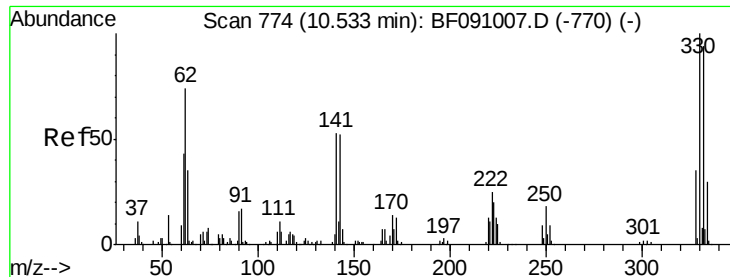


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

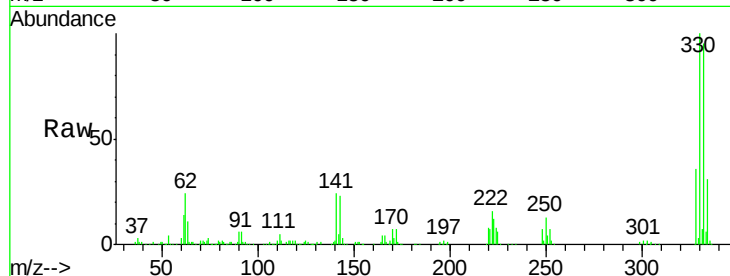




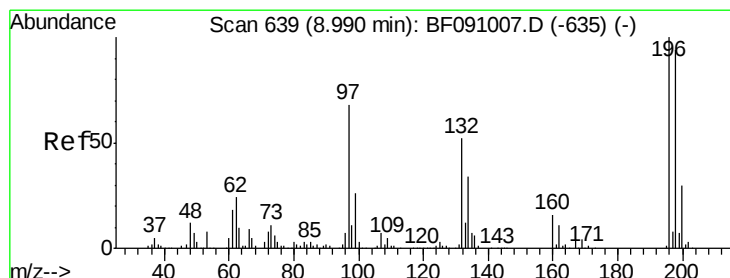
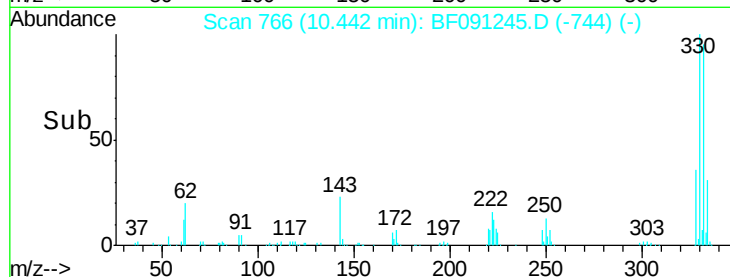
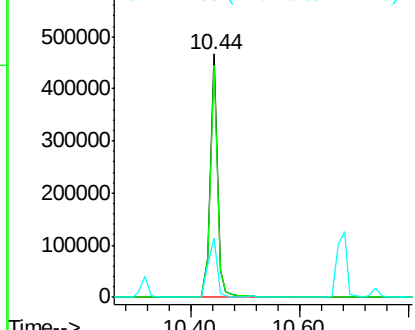
#41
 2,4,6-Tribromophenol
 Concen: 137.44 ng
 RT: 10.44 min Scan# 766
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

Tgt Ion:330 Resp: 436441
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.9 113.9
 141 30.0 36.1 54.1#

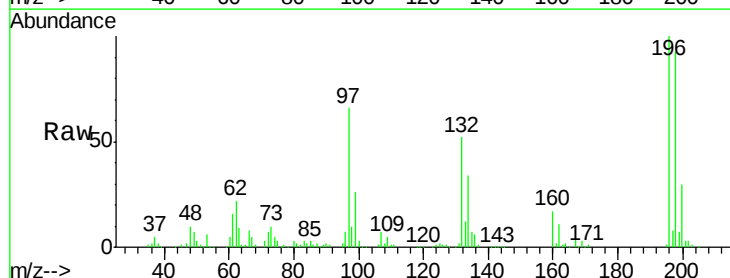


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

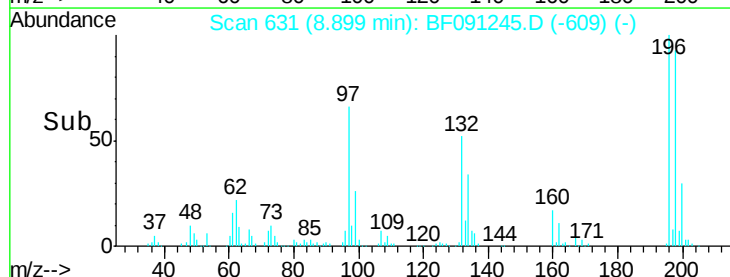
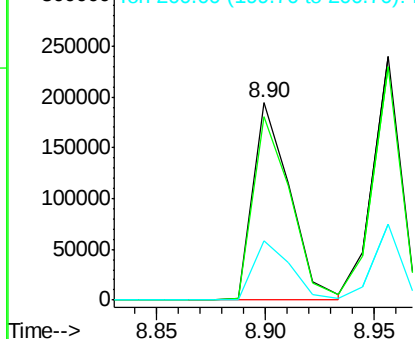


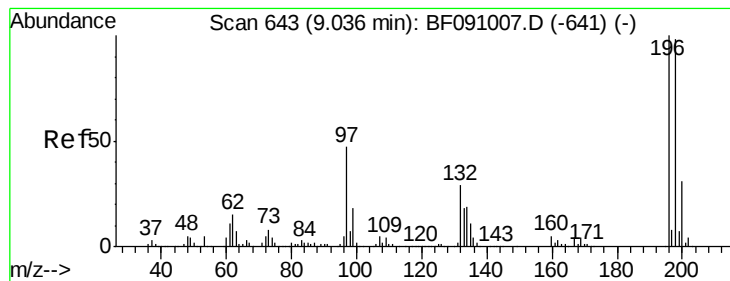
#42
 2,4,6-Trichlorophenol
 Concen: 39.55 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion:196 Resp: 228647
 Ion Ratio Lower Upper
 196 100
 198 93.4 75.4 113.0
 200 30.1 24.1 36.1



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

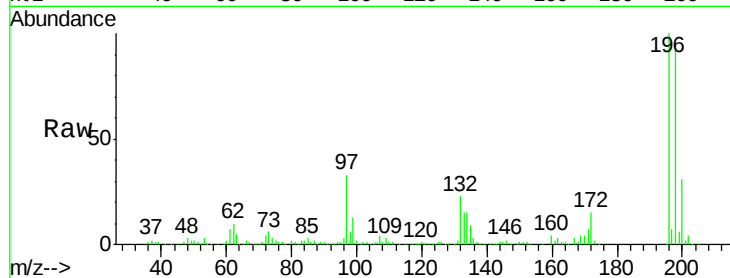




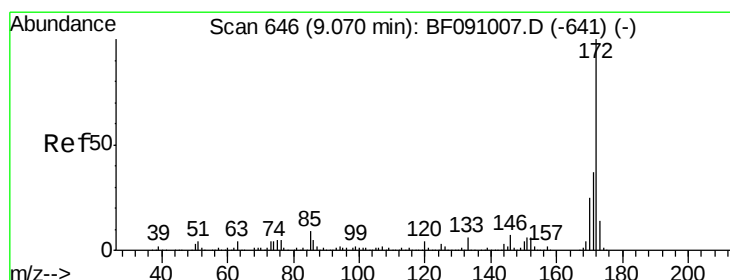
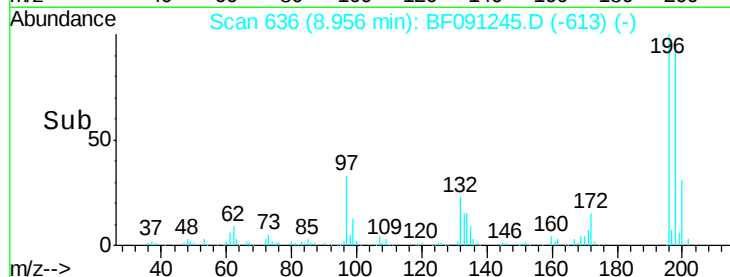
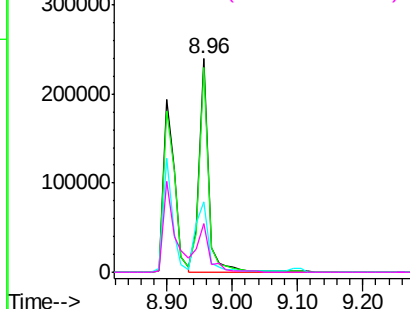
#43
 2,4,5-Trichlorophenol
 Concen: 39.21 ng
 RT: 8.96 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	78.2	117.4
97	32.9	38.8	58.2#
132	22.9	23.5	35.3#

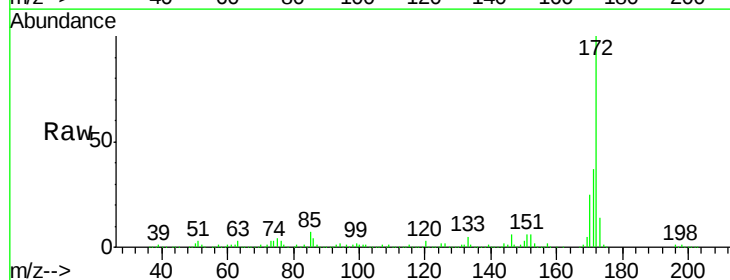


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

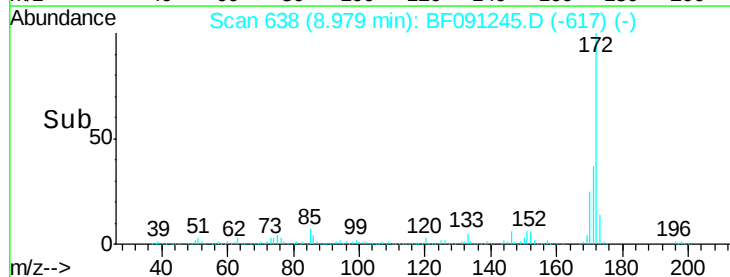
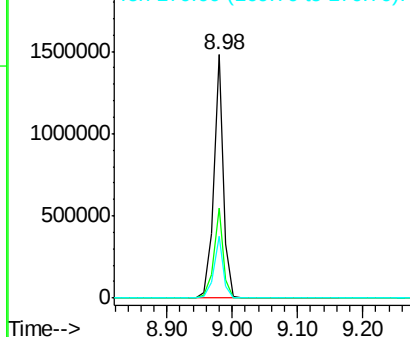


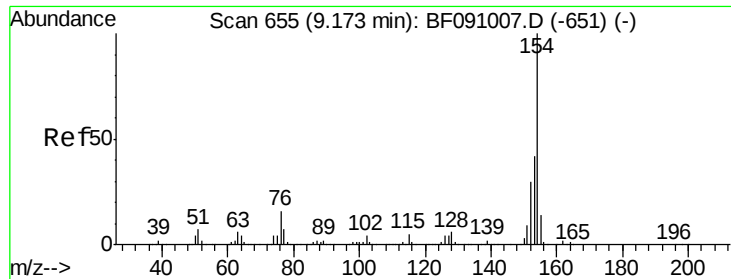
#44
 2-Fluorobiphenyl
 Concen: 76.27 ng
 RT: 8.98 min Scan# 638
 Delta R.T. -0.06 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	25.3	20.3	30.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

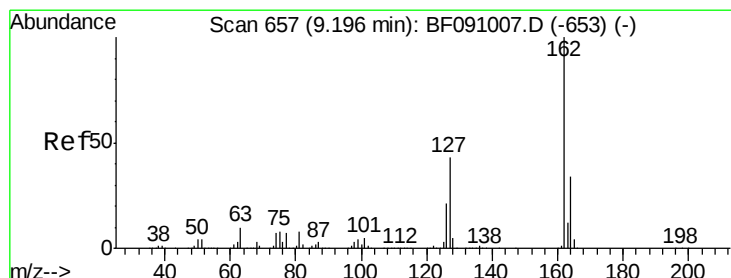
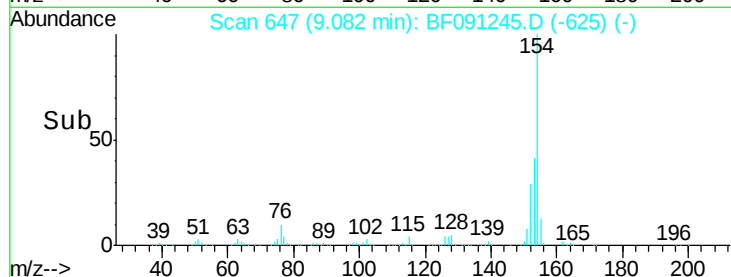
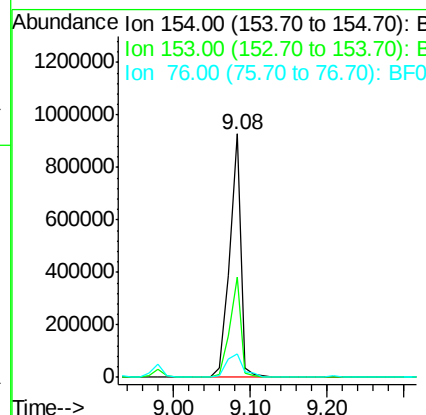
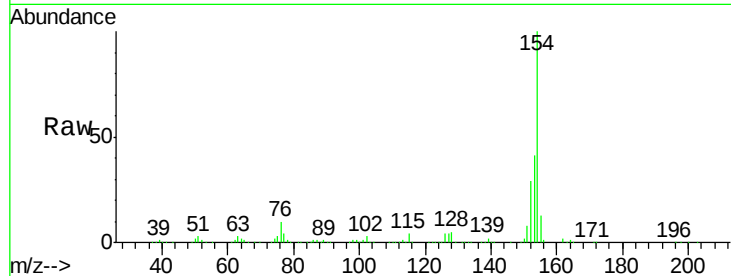




#45
 1,1'-Biphenyl
 Concen: 37.78 ng
 RT: 9.08 min Scan# 647
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

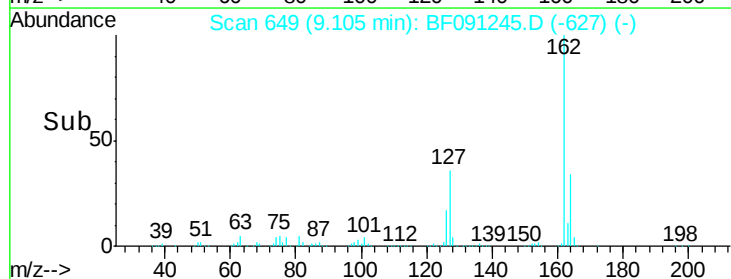
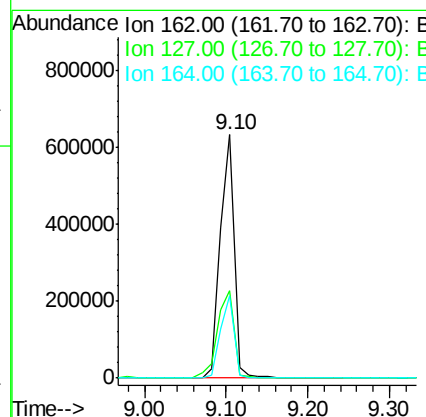
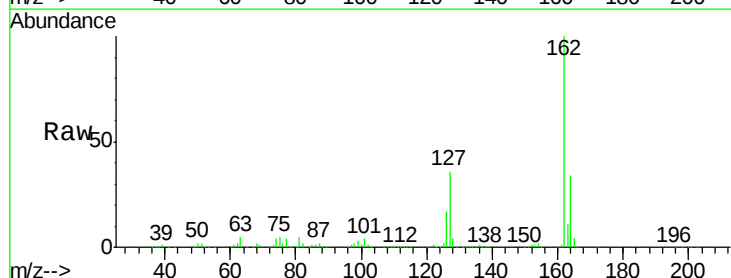
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

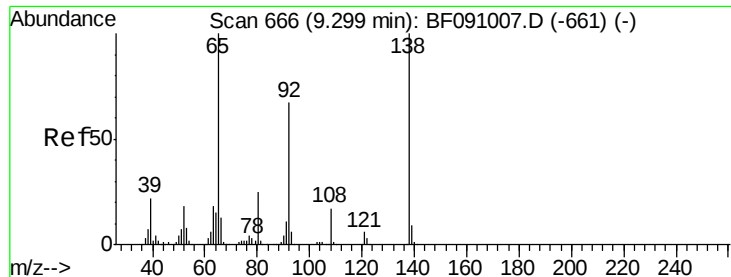
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.6	61.6
76	9.6	0.0	36.2



#46
 2-Chloronaphthalene
 Concen: 38.63 ng
 RT: 9.10 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.7	34.7	52.1
164	33.9	27.0	40.4

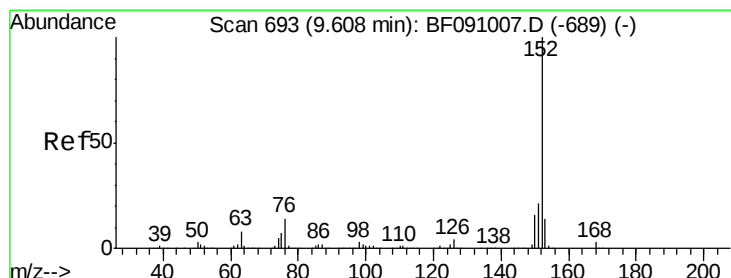
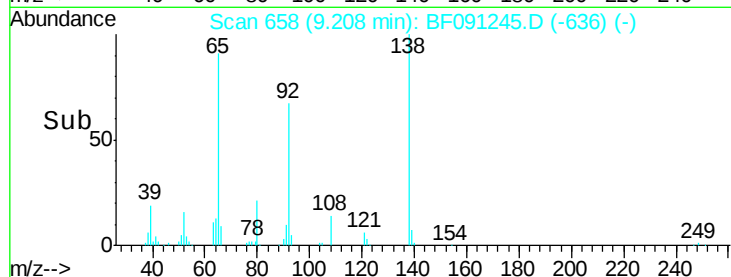
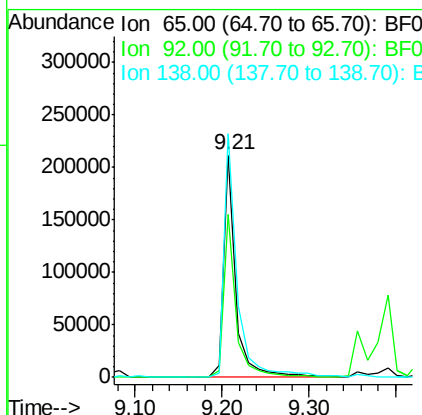
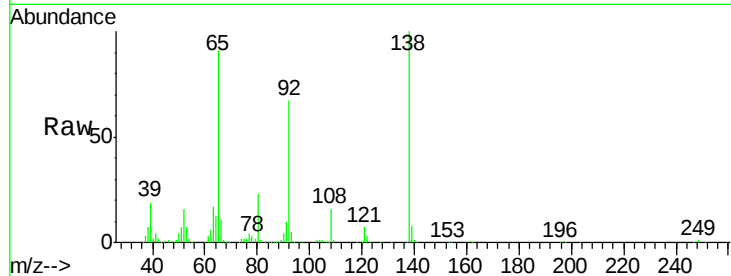




#47
2-Nitroaniline
Concen: 29.19 ng
RT: 9.21 min Scan# 658
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

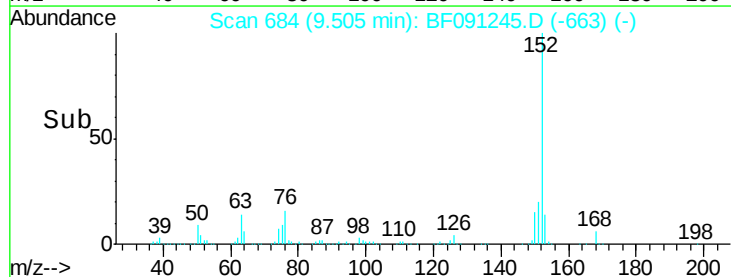
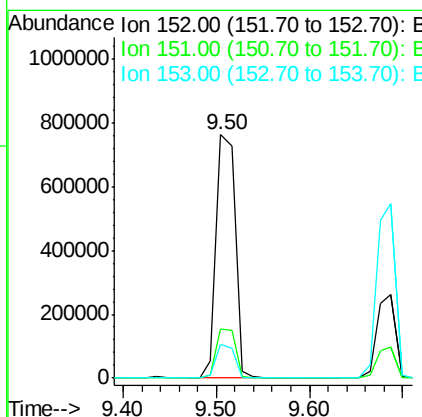
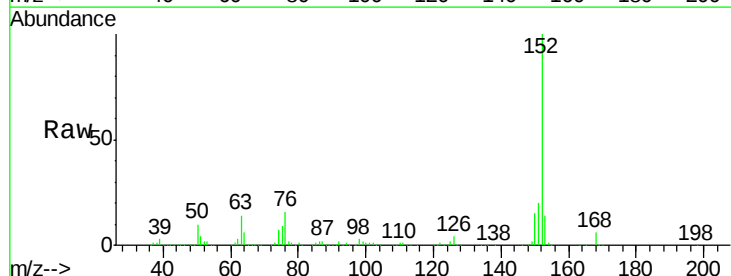
Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

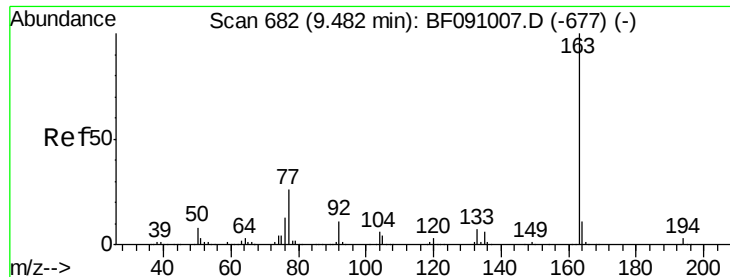
Tgt Ion: 65 Resp: 210933
Ion Ratio Lower Upper
65 100
92 73.2 53.9 80.9
138 109.6 80.1 120.1



#48
Acenaphthylene
Concen: 35.75 ng
RT: 9.50 min Scan# 684
Delta R.T. -0.06 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion: 152 Resp: 1084973
Ion Ratio Lower Upper
152 100
151 20.3 16.7 25.1
153 13.8 11.1 16.7

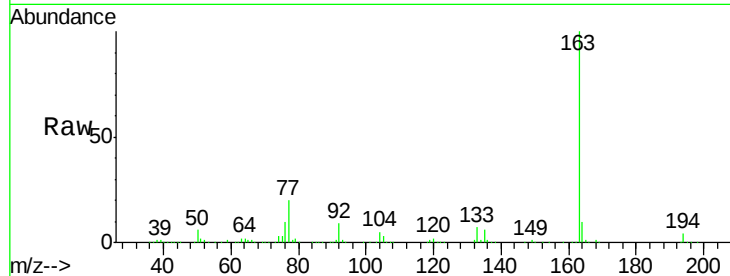




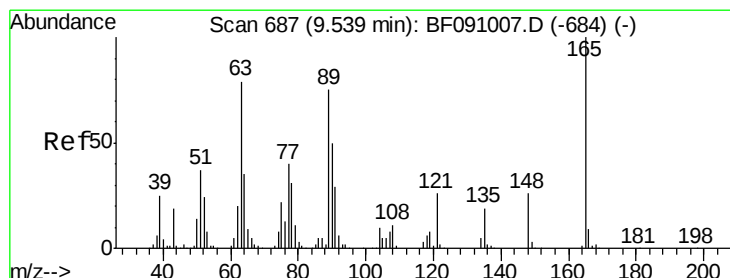
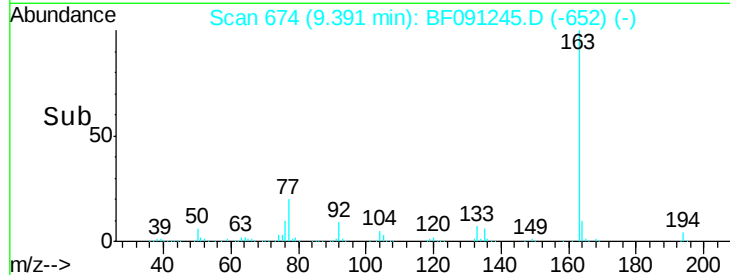
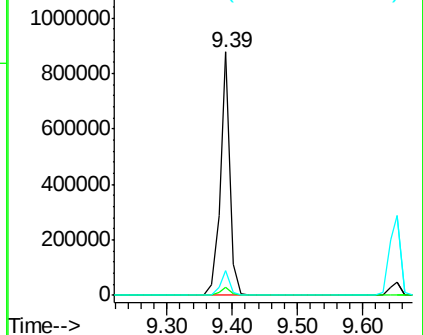
#49
Dimethylphthalate
Concen: 39.82 ng
RT: 9.39 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

Tgt Ion:163 Resp: 917273
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.3 8.7 13.1

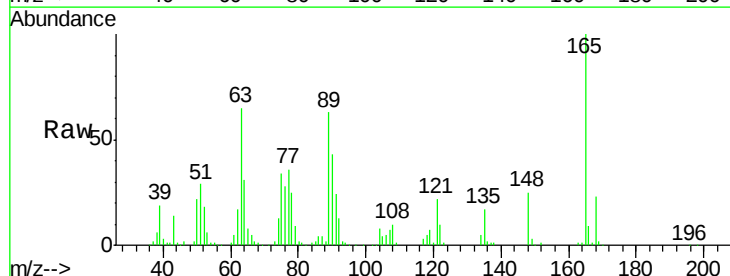


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

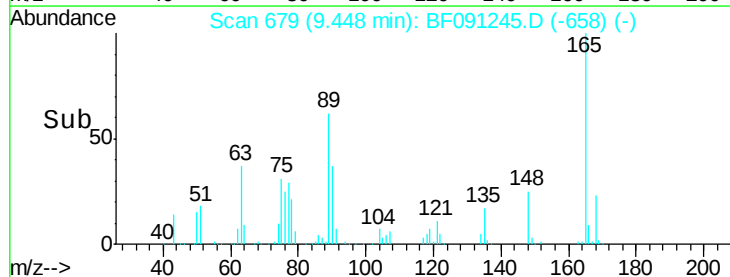
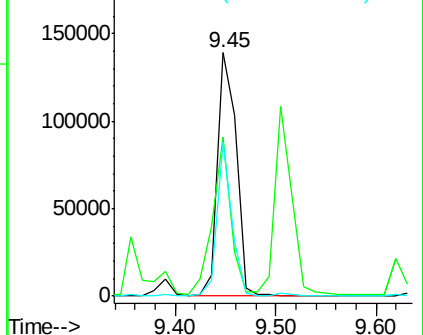


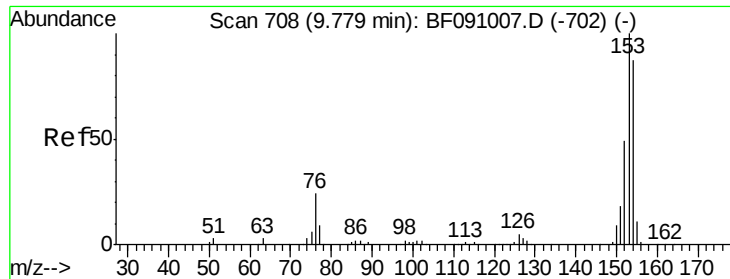
#50
2,6-Dinitrotoluene
Concen: 36.72 ng
RT: 9.45 min Scan# 679
Delta R.T. -0.06 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion:165 Resp: 181278
Ion Ratio Lower Upper
165 100
63 65.2 65.6 98.4#
89 63.4 59.8 89.6



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 34.76 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

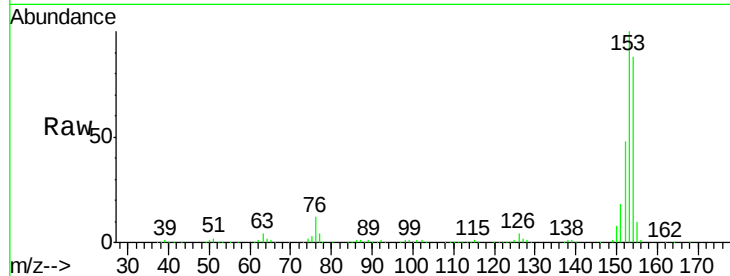
Tgt Ion:154 Resp: 662169

Ion Ratio Lower Upper

154 100

153 114.2 91.6 137.4

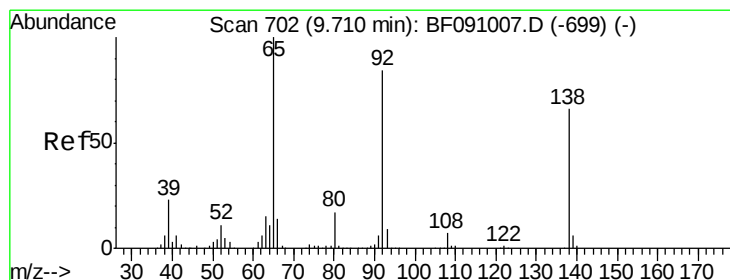
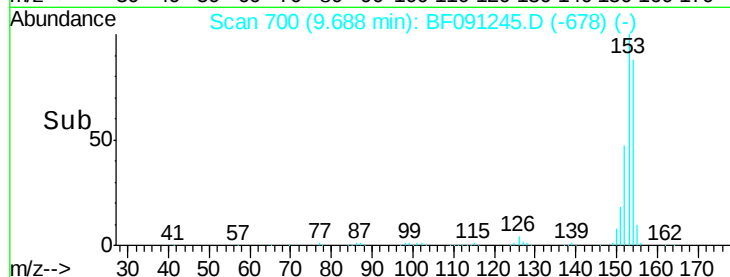
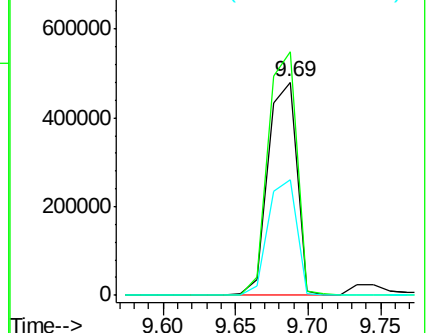
152 54.3 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.72 ng

RT: 9.62 min Scan# 694

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

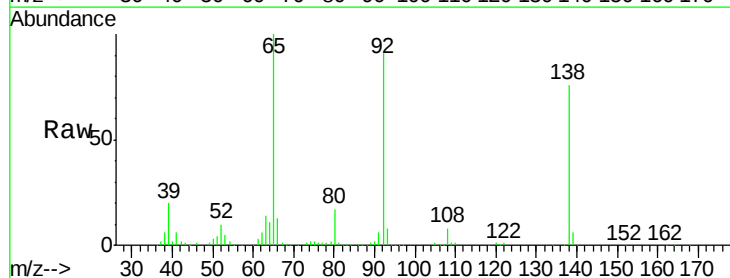
Tgt Ion:138 Resp: 144681

Ion Ratio Lower Upper

138 100

108 10.0 8.4 12.6

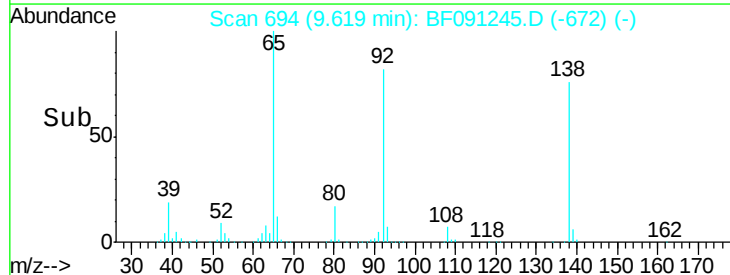
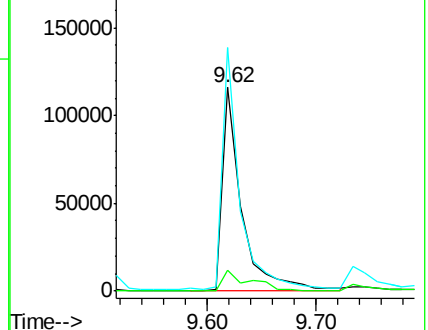
92 119.6 101.1 151.7

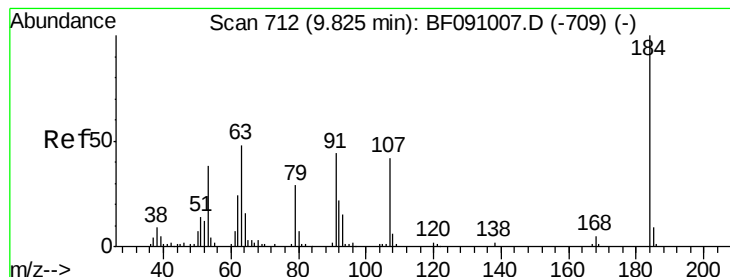


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 34.15 ng

RT: 9.74 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

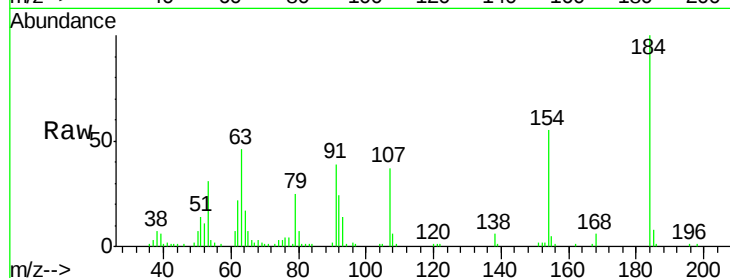
Tgt Ion:184 Resp: 81349

Ion Ratio Lower Upper

184 100

63 46.2 45.5 68.3

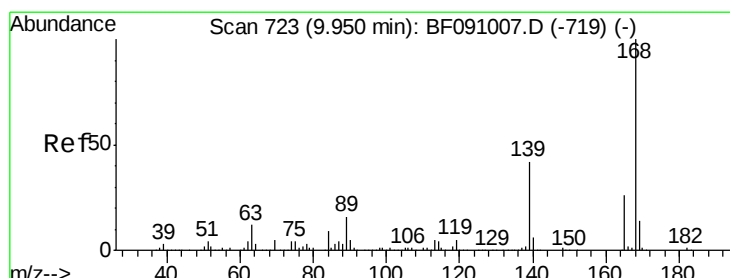
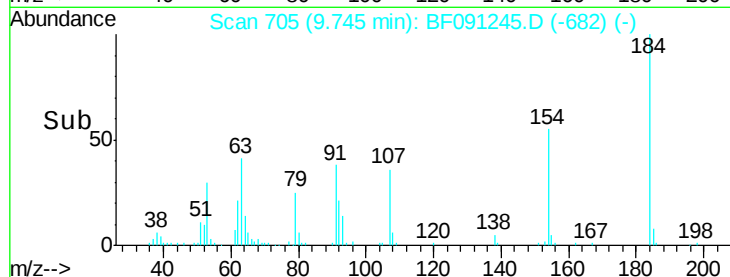
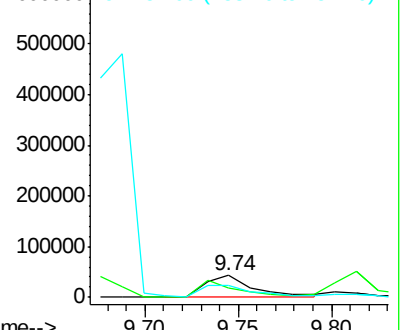
154 54.9 51.0 76.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 38.52 ng

RT: 9.86 min Scan# 715

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

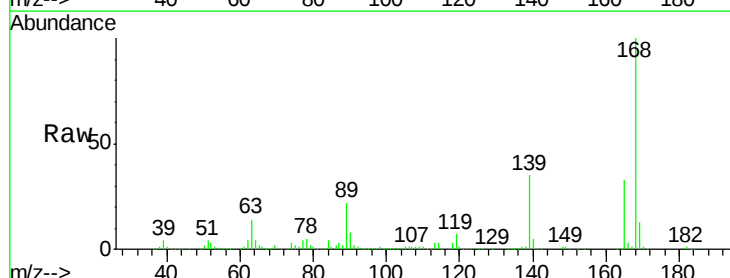
Tgt Ion:168 Resp: 987835

Ion Ratio Lower Upper

168 100

139 34.7 34.8 52.2#

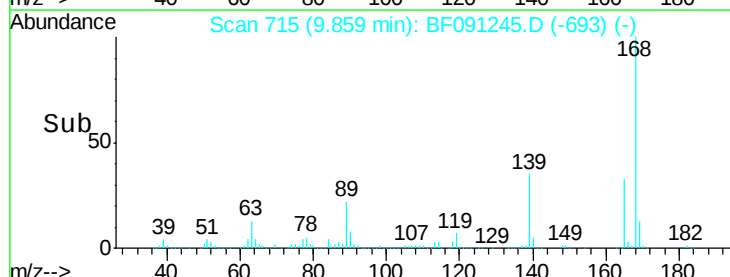
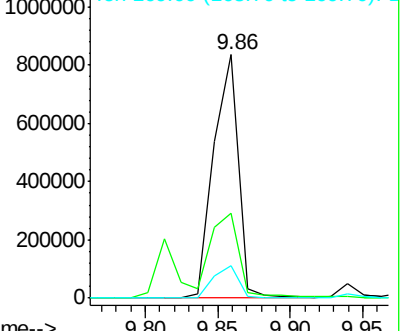
169 13.1 11.4 17.2

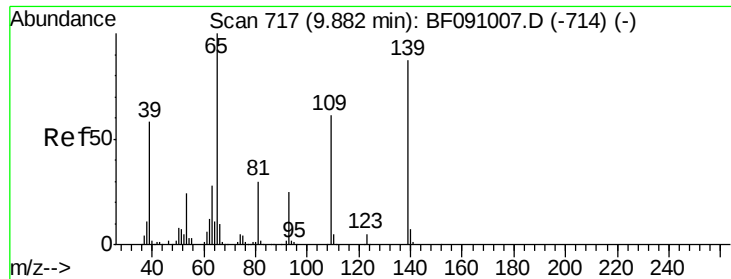


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 55.80 ng

RT: 9.81 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

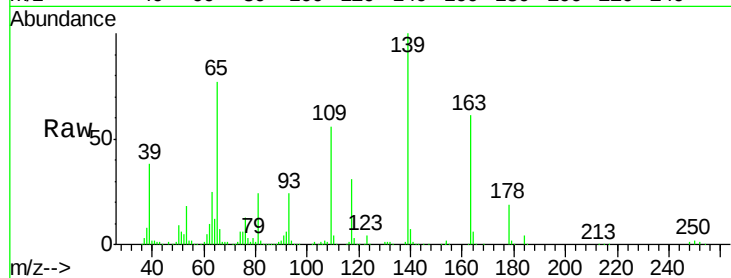
Tgt Ion:139 Resp: 210250

Ion Ratio Lower Upper

139 100

109 56.2 50.5 90.5

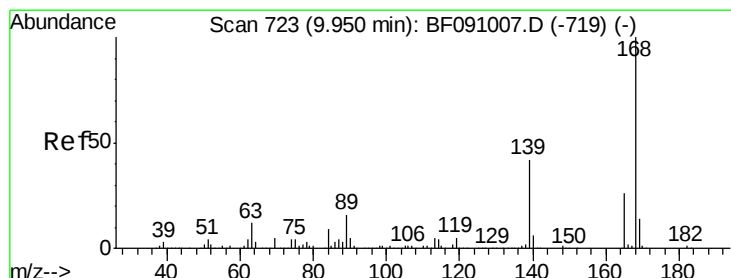
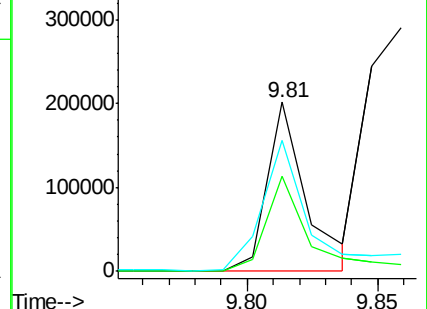
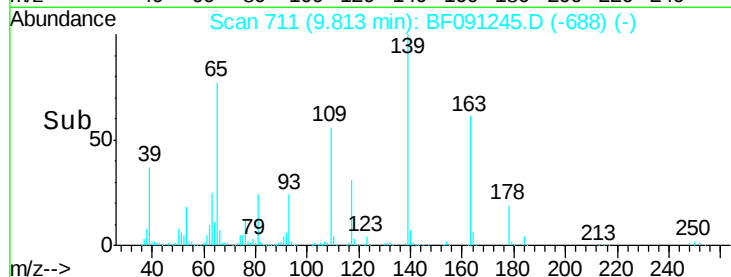
65 77.4 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 39.42 ng

RT: 9.86 min Scan# 715

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Tgt Ion:165 Resp: 247545

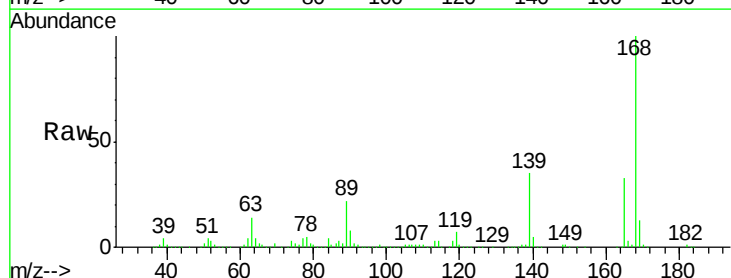
Ion Ratio Lower Upper

165 100

63 40.5 38.7 58.1

89 66.0 50.6 76.0

182 2.4 1.8 2.8

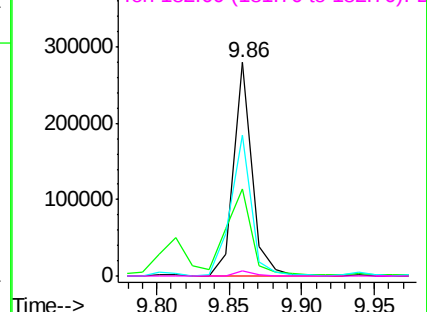
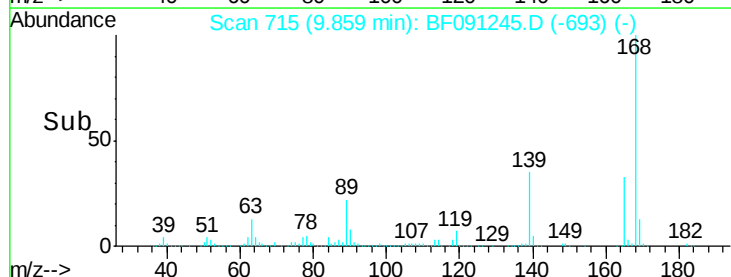


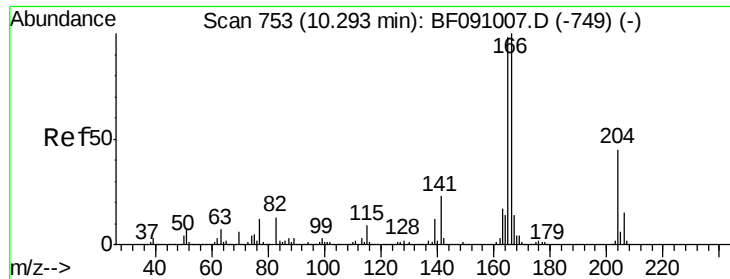
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

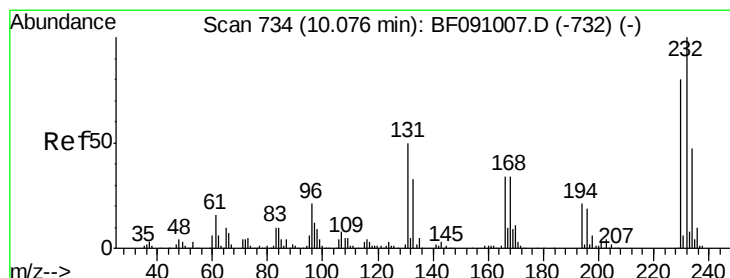
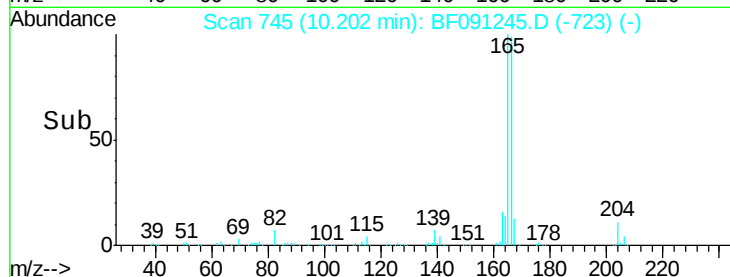
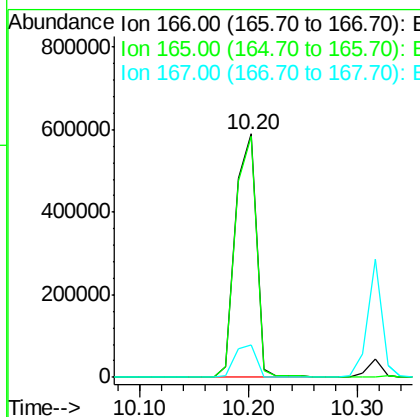
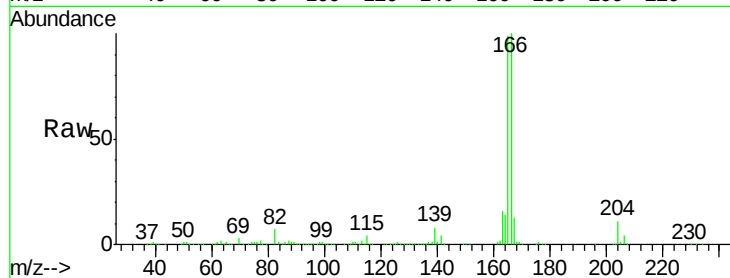




#57
 Fluorene
 Concen: 36.97 ng
 RT: 10.20 min Scan# 745
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

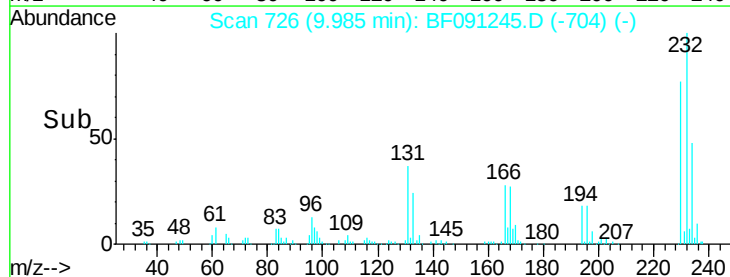
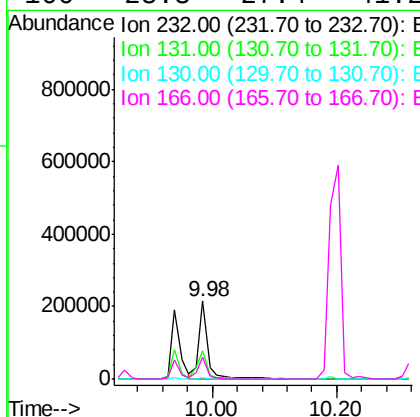
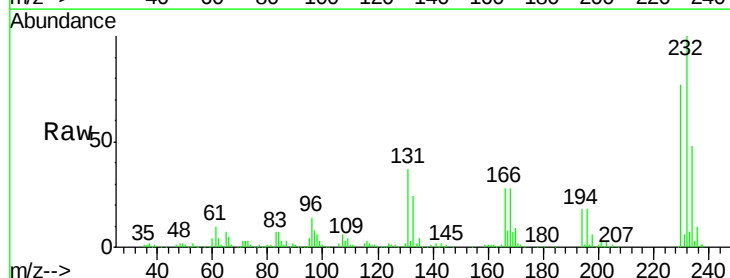
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-02MS

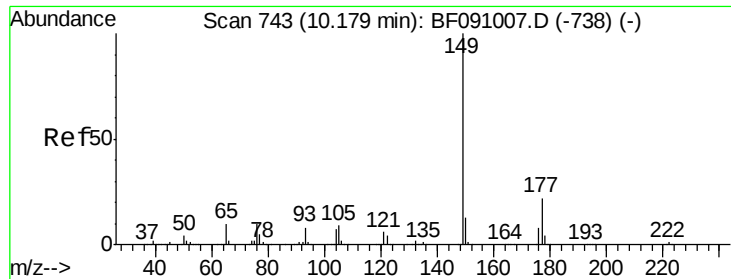
Tgt Ion:166 Resp: 775025
 Ion Ratio Lower Upper
 166 100
 165 99.1 78.6 118.0
 167 13.1 11.1 16.7



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 45.25 ng
 RT: 9.98 min Scan# 726
 Delta R.T. -0.05 min
 Lab File: BF091245.D
 Acq: 18 Nov 2016 20:51

Tgt Ion:232 Resp: 215186
 Ion Ratio Lower Upper
 232 100
 131 41.7 43.6 65.4#
 130 1.8 2.0 3.0#
 166 28.3 27.4 41.2

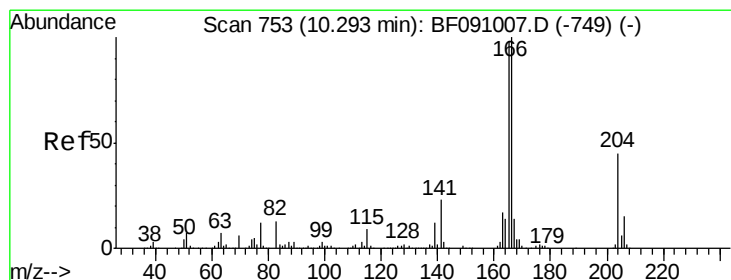
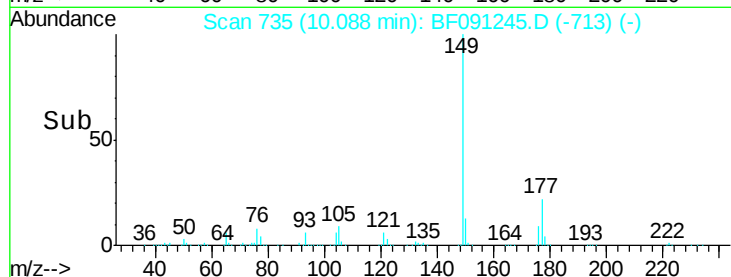
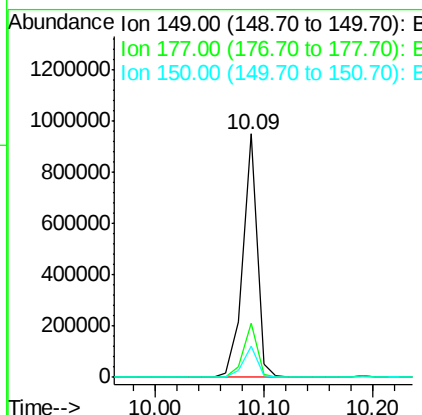
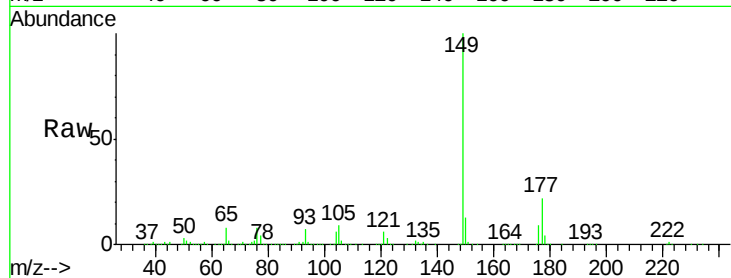




#59
Diethylphthalate
Concen: 36.19 ng
RT: 10.09 min Scan# 735
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

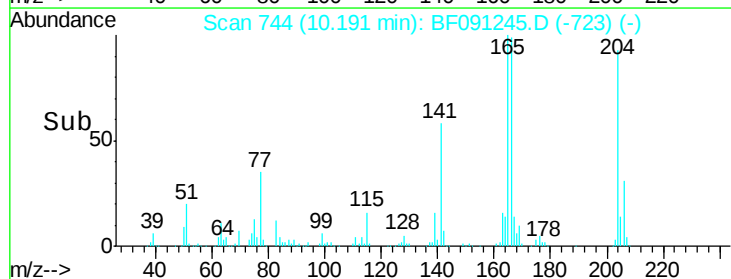
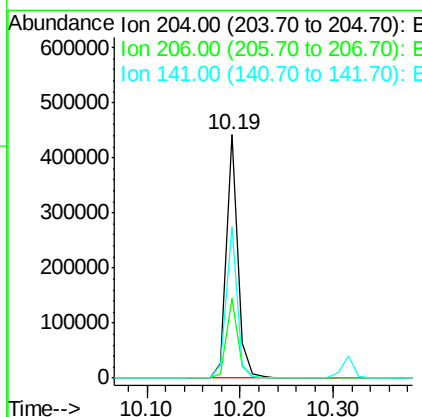
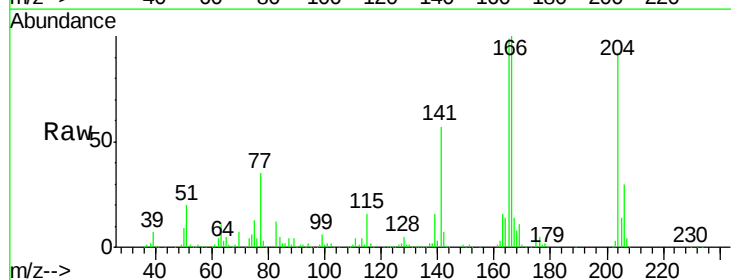
Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

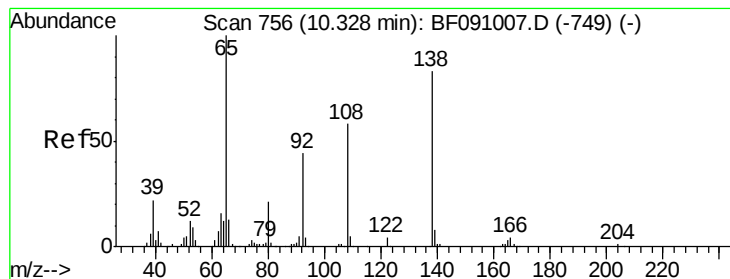
Tgt Ion:149 Resp: 854499
Ion Ratio Lower Upper
149 100
177 22.5 17.3 25.9
150 12.7 10.3 15.5



#60
4-Chlorophenyl-phenylether
Concen: 39.29 ng
RT: 10.19 min Scan# 744
Delta R.T. -0.06 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion:204 Resp: 374878
Ion Ratio Lower Upper
204 100
206 32.9 27.1 40.7
141 62.0 40.1 60.1#





#61

4-Nitroaniline

Concen: 27.45 ng

RT: 10.24 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Instrument :

BNA_F

ClientSampleId :

V001-BF021-02MS

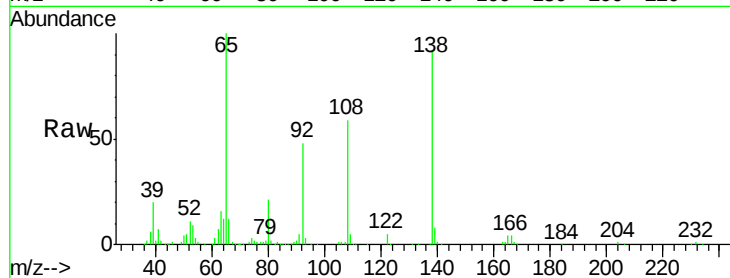
Tgt Ion:138 Resp: 162517

Ion Ratio Lower Upper

138 100

92 51.4 32.5 72.5

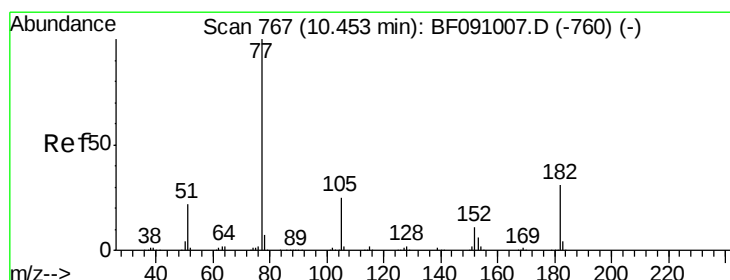
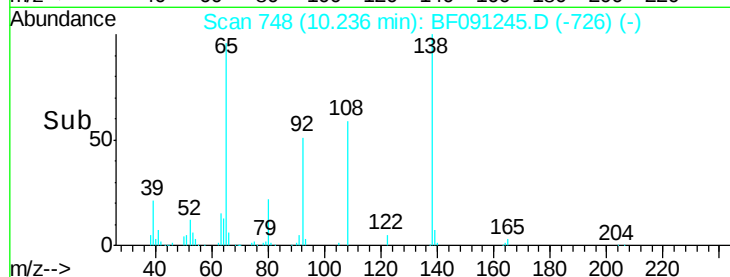
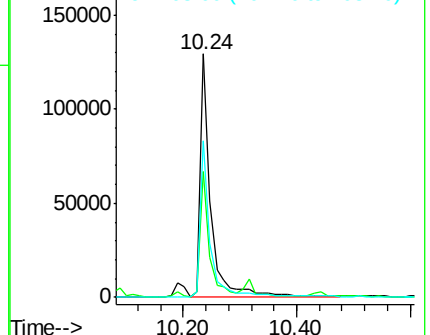
108 64.3 49.4 89.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 29.49 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.06 min

Lab File: BF091245.D

Acq: 18 Nov 2016 20:51

Tgt Ion: 77 Resp: 819839

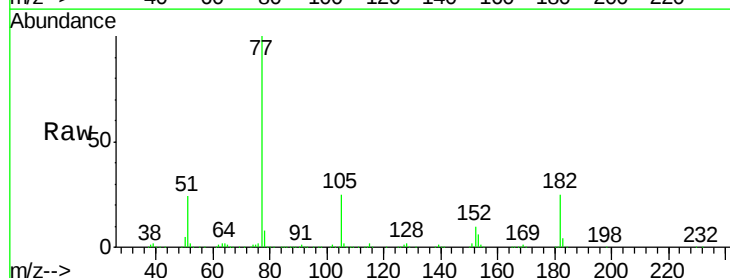
Ion Ratio Lower Upper

77 100

182 24.8 11.0 51.0

105 25.1 5.6 45.6

51 23.5 2.7 42.7

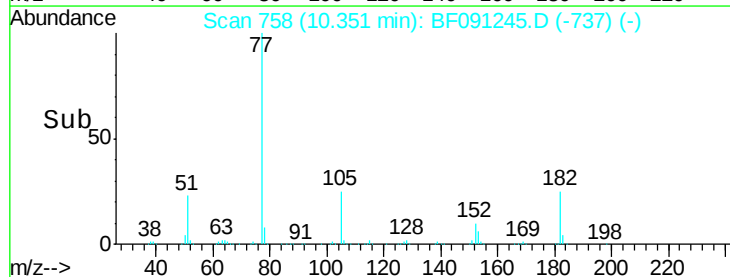
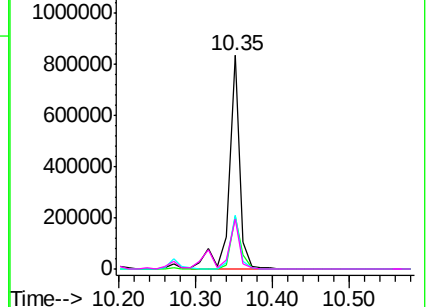


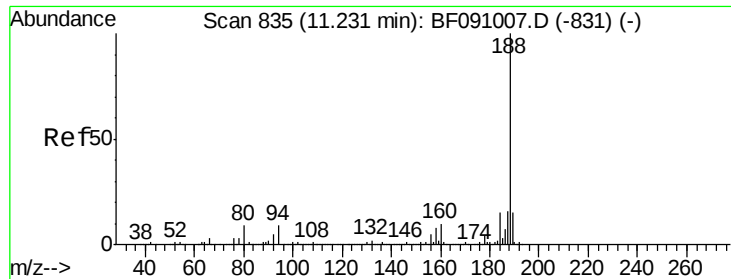
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

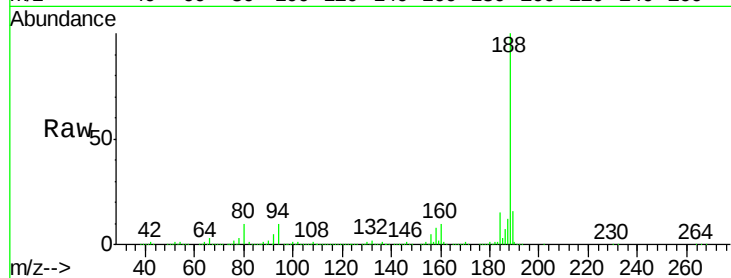




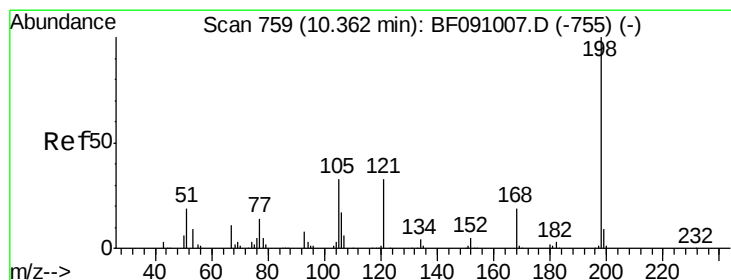
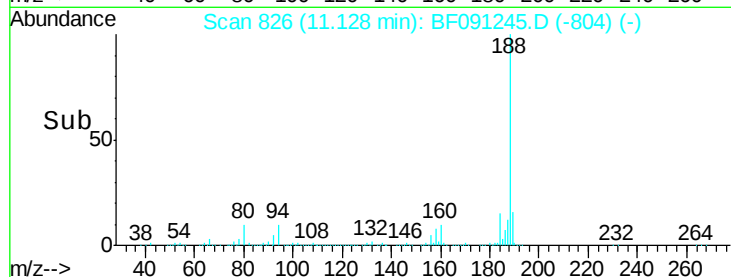
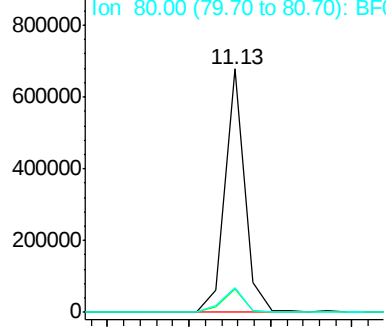
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Instrument :
BNA_F
ClientSampleId :
V001-BF021-02MS

Tgt Ion:188 Resp: 573306
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.2 7.5 11.3

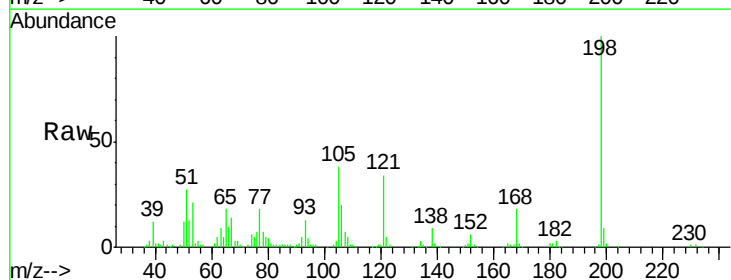


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



#64
4,6-Dinitro-2-methylphenol
Concen: 28.73 ng
RT: 10.27 min Scan# 751
Delta R.T. -0.05 min
Lab File: BF091245.D
Acq: 18 Nov 2016 20:51

Tgt Ion:198 Resp: 100861
Ion Ratio Lower Upper
198 100
51 27.3 5.9 45.9
105 38.0 13.8 53.8



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

